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MARCH 11, 1950

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Physical Form: Saponified solution of cresol.

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Physical Form: Clear brown liquid. R.W. coefficient equivalent to 75
Main Use: Manufacture of antiseptic and disinfectant fluids.

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Physical Form: As 15 but milder. R.W coefficient equivalent to 75
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Physical Form: Small crystals.
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MONSANTO CHEMICALS LIMITED

VICTORIA STATION HOUSE, LONDON, S.W.I

CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

MARCH 11, 1950

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NEWS OF THE WEEK

New Parliamentary Secretaries.—The lowing are among appointments as Parmentary Secretaries in the new Government:—Ministry of Food, Mr. Stanley ans; Ministry of Labour, Mr. Frederick e; National Insurance, Mr. Bernard Tay: Board of Trade, Mr. Hervey Rhodes.

Food Conference. — Delegates from de unions, councils, etc., to a total of o, attended a conference on "The orld's Food and Britain's Needs" orgaded by the Association of Scientific Wors in London, March 4-5. The speakers luded Lord Boyd Orr, F.R.S., Mr. F. Le os Clark, and Dr. Julian Huxley, F.R.S.

Consultant Services Under N.H.S.—A
p. booklet issued by the Ministry of
alth gives an outline of the arrangents for providing specialist services in
enty-two subjects (general medicine,
hology, diseases of the chest, physical
dicine, etc.). A short chapter deals with

blood-transfusion service and another h the public health laboratory service, ervice "still in process of development" ted at providing a bacteriological service for preventive purposes. The service "will often have a laboratory in hospital grounds, perhaps adjoining the hospital laboratory."

N.H.S. Statistics for Wales .- The follow. ing figures relate to National Health Service dispensing in Wales and Monmouthshire for the six months ended June 30, 1949. Number of patients for whom the doctors prescribed was 2,286,869; prescriptions dispensed, 6,788,715 (Glamorgan, 2,043,001); average ingredient cost, 21.3od.; (Carnarvon, 25.51d., Montgomery, 17.71d.); average dispensing fees. 11.34d. (Montgomery, 12.36d., Glamorgan, 10.08d.): cost per prescription with container, 35.14d.; frequency, 2.97 per patient (Carnarvon, 3.67, Radnor, 2.08); total cost for ingredients, dispensing fees and container allowances, £994,101.

Improved Anti-midge Cream Formula.

—A new anti-midge cream, claimed by the subcommittee on midge control of the Scottish Scientific Advisory Committee to be more stable than the cream the sub-

committee introduced in 1946, has the advantage of not being washed off by perspiration. The new formula, which is the outcome of investigation at the Royal Technical College, Glasgow, by Professor J. P. Todd and Mr. A. B. Gilmour, M.P.S. (members of the subcommittee) is as follows: dimethyl phthalate, 200 gm.; magnesium stearate, 30 gm.; zinc stearate, 70 gm. The Committee hope that commercial concerns interested will undertake its production without any proprietary restriction.

I.C.I. Seeks Control of U.S. Company.—Imperial Chemical Industries, Ltd., has made an offer of £1,250,000 to acquire a controlling interest in Arnold, Hoffman & Co., Inc., chemical manufacturers, Providence, Rhode Island, U.S.A. If the offer is accepted, I.C.I. will acquire an interest in the manufacture of dyestuffs and other synthetic chemical products in the United States, and a medium through which its dyestuffs and auxiliary products, made in the United Kingdom, can be readily marketed in that country. The necessary finance will be provided by bank loans in New York, and the deal will not, therefore, involve the use of any of Britain's dollar resources.

N.P.U. Executive Elections.—Contests in the election for members of the National Pharmaceutical Union will take place in the following areas (candidates' names in brackets):—North-western, Division 1 (P. Varley and F. Smithson); North-eastern, Division 2 (H. Heseltine and B. C. Thorpe); Western, Division 1 (E. Margerison and T. Noel Dixon); Western, Division 3 (G. W. Sherwin and L. H. Teare); Eastern, Division 1 (P. D. J. Spaanderman and E. V. Abraham); Southern, Division 2 (W. Talvan Rees, J. M. Dowty and J. F. McNeal); Metropolitan Division (A. Aldington, A. R. Melhuish, H. G. Moss and F. G. Wells). Members have been elected without contest in the following divisions: North-western 2 and 3; North-eastern 1 and 3; Western 2; Eastern 2 and 3; Southern 1 and 3. It is hoped to include notes on the candidates next week.

Exhibition of Business Printing.—An exhibition entitled "Design in Business Printing," organised by the Council of Industrial Design and the British Federation of Master Printers, was opened at Murray House, Petty France, London, S.W.I, by Mr. G. Isaacs (Minister of Labour) on March 3. The exhibition focuses attention on the printed matter

used by commercial firms in their dealings with customers, employees, and shareholders. It is divided into nine sections covering commercial stationery; company printing (e.g., annual reports); brochures; catalogues; programmes; staff magazines showcards and posters; calendars, etc. A "before and after" section shows restyled commercial printing. The exhibition remains open until April 6. Admission is by business or invitation card which may be obtained from the Printing and Packaging Officer, Council of Industrial Design 9 Buckingham Gate, London, S.W.1.

Further Import Licensing Relaxations -The Board of Trade announces a further list of goods which can be imported without individual licences from March I 1950. The import relaxations relate to goods consigned from and originating ir any of the permitted sources. The list in cludes:—Group 5. Pharmaceutical gland and offals (fresh, frozen, preserved, dried or powdered) the following: - Calves vells hog stomachs; ovaries; ox gall glands; pan creas; parathyroid; pineal; pituitary; pros tate; spinal cord; suprarenal; thyroid Soapless detergents. Group 10. Carboys Group 11. Glass eyes; eye shields (protec tive). Group 16. Bristles, plastic; hair net of human hair or artificial silk (excep Nylon); photographic goods; clips and push pins, developing and washing tanks, dishe and funnels, drying cabinets, film wiper and winders, printing and masking frames print tongs and paddles, trimmers (guillo

tines), and tripods (and parts).

"Ideal Home" Exhibitors. — Among exhibitors at the "Daily Mail" Idea Home Exhibition, Olympia, London March 7 to April 1, are Addis, Ltd. (Wis dom tooth-brushes and Addis beaut brush); J. & E. Atkinson, Ltd. (Daytim perfumes); T. F. Bristow & Co., Ltd (Bristow's lanolin shampoo and baby pre parations); Cromessol Co., Ltd. (household spray outfit); Fassett & Johnson, Ltd (Prestoband self-adhesive bandage); Galof London, Ltd. (Face-a new compressed powder compact (with puff); Gillette In dustries, Ltd. (Aristocrat one-piece razor Toni home permanent wave); Goya, Ltd (perfumed Colognes, beauty base); Hert Pharmaceuticals, Ltd. (Nivea creme) Jaffajuce, Ltd. (soft drinks); Johnson & Johnson (Gt. Britain), Ltd. (baby powder) Macleans, Ltd. (tooth-paste); Max Factor Ltd. (demonstrations of theatrical and film make-up); Paines & Byrne, Ltd. (rose hip syrup); Reckitt & Colman, (Bathjoys bath cubes); Rentokil, Ltd. (tim

per fluid); Rimmel of Paris (lip-fashion pencil and face-powder); T. J. Smith & Vephew, Ltd. (Elastoplast first-aid dressings and plasters); and Tokalon, Ltd. (a new foundation cream, and range of beauty preparations). Keen, Robinson & Co., Ltd. lemon barley water). Shavex Zee-Kol Go., Ltd. (Shavex, etc.), Sponcel Ltd. (Spontex ponges), Thompson & Capper Wholesale, td. (Mothaks); Henry Tetlow Co., Ltd. Swandown cosmetics).

LOCAL NEWS

Pharmacy under N.H.S.—"Some asects of pharmacy under the National Iealth Service" was the subject of a talk iven by Mr. H. Jarvis Graves, M.P.S. secretary, Devon and Exeter Pharmaceutial Committee) to members of the North Devon Branch of the Pharmaceutical ociety, at Barnstaple. Mr. L. D. Knight chairman of the Branch) presided.

Southend Branch Dinner.—Guests at ne annual dinner of the Southend-on-Sea ranch of the Pharmaceutical Society on ebruary 22 included the mayor, who prosed "The Pharmaceutical Society" and Ir. J. F. McNeal (vice-president of the ociety) who responded. Mr. Charles ruce (branch chairman) proposed "The tuests," Dr. H. W. Holthusen (vice-chairman, Southend Executive Council) responding. The dinner was followed by dancing.

Dr. Davis at Bristol.—At the Februry meeting of the Bristol Branch of the harmaceutical Society, Dr. H. Davis, Sc., Ph.C., F.R.I.C. (chief pharmacist, Iinistry of Health), spoke on pharmaceucal aspects of the National Health Serce. Dr. Davis examined the many probms which arose in practice and left his earers with the impression that, although the Service was far from perfect, little iction due to gross errors in construction management was present. One factor be taken into consideration was the upid change in pharmacy itself from a raft to a supply organisation of vast scope.

Resolution on Payment Delays.—At a cent meeting of the Birkenhead Execuve Council it was decided to support the illowing resolution of the Lancashire Exettive Council:—" That the Council views ith deep concern the present unsatisfactry system of pricing and payment for tescriptions, with its consequential acculating arrears of pricing and long delay payment of chemists' accounts, and that a Executive Councils' Association (Eng-

land) be asked to make strong representations to the Ministry of Health to take steps to bring about an early restoration of the system of full pricing of prescriptions and prompt payment in full to chemists." Mr. F. Howarth, M.P.S., told the Council that chemists were supposed to be receiving a 90 per cent. interim payment each month, but some were receiving only 66 per cent.

on Plymouth Lecture Pregnancy the scientific Tests.—At meeting of Plymouth Branch of the Pharmaceutical Society on February 16, Mr. J. Pritchard (Evans Biological Institute) gave a lecture on "The Early Diagnosis of Pregnancy"; Mr. E. C. Burrow presided. Mr. Pritchard commenced with an amusing account of some early attempts to determine pregnancy; a 3,000-year-old test of Egyptian origin relied on the effect of female urine on seed of wheat and barley growth within a certain time indicating pregnancy. Only during the last twenty years had any reliable tests been evolved. Most of them relied on the injection of urine into selected batches of rats, mice and rabbits, and examination of the ovaries and uterus for signs of stimulation. More recent tests had used certain species of frog and toad. A vote of thanks was proposed by Mr. Hunt and Mr. T. Treglown (student associate) seconded.

Refusal to Give Sample for Analysis. The Lancashire Executive Council on February 22 recommended that £10 should be withheld from a chemist's remuneration because he refused to allow a sample of medicine to be analysed. The Council's agent said that, when informed that it was a test prescription, the chemist seized the bottle and refused to divide it as required, stating that his weighing balance was not in working order. The Pharmaceutical Service Committee was informed by the chemist that as he had not had a clean 12-oz, bottle, he had used a 10-oz, bottle, "I argued with the agent that he had brought a prescription knowing it to be a test and had asked me to dispense something different from that which was on the prescription. I told him the principle was all wrong and unfair." The Committee decided that the chemist had committed a serious breach of his terms of service.

Chemist Explains Bottle Position.— At a meeting of the Smethwick Executive Council recently, a medical member asked why, in view of the shortage of bottles, chemists refused to take them back. Mr. A. W. Carr, M.P.S., said that the majority of chemists would gladly accept bottles if patients would return them. It would be foolish for chemists not to accept them, because new ones had to be bought. Replying to a further statement by the medical member that chemists were in any case reimbursed for bottles purchased, Mr. Carr said that chemists received $1\frac{1}{4}d$, each for all containers, though some cost 5d, each. The Clerk suggested that doctors might impress upon their patients the necessity for taking the bottles back. A report was received from the Pharmaceutical Services Committee on the investigation of two cases of incorrect dispensing of test prescriptions. In one, the committee accepted the reason given for the error and suggested that the chemist should be censured. In the second case the committee recommended that the Minister should impose a monetary penalty.

OVERSEAS NEWS

Chilean Nitrates and Iodine Marketing Board has authorised the sale of the greater part of Chilean iodine production to Britain.

Record Price for Zanzibar Cloves.—According to a Dar-es-Salaam report, prices of Zanzibar cloves are equalling the record set up in 1942. Supplies in the week ended February 25 totalled nearly 1,490,000 lb., of which more than 757,000 lb. went to the Straits Settlements.

Pharmaceuticals for Jugo-Slavia.—Chemicals and pharmaceutical products are included in the list of goods to be exported to Jugo-Slavia from Britain in 1950 under a new long-term trade agreement signed in Belgrade recently. The value of pharmaceutical raw materials and products will amount to a total of £400,000.

East German Pharmaceutical Industry.
—Plans have been made to spend on the pharmaceutical industry in Eastern Germany in 1950 six times the sum spent in 1949. Vitamins, and drugs for use against tuberculosis, are to be made there for the first time. Local manufacture of penicillin exceeds zonal needs. The increased output of pharmaceutical products is intended for the purpose of assisting exports,

Indian Import Policy. — The Government of India has announced its import policy for the half-year January-June. The

"ceiling" for commercial imports will be higher than that fixed for the previous half year, the increase being partiall attributable to provision for imports consumer goods such as drug and medicines. Adequate provision has been made for the importation of penicil lin, streptomycin, and surgical appliances especially from soft-currency areas.

Terramycin, a New Antibiotic.—A nev antibiotic, Terramycin, which has prove effective in animal tests against pneumonia typhus, streptococcus infections and relate diseases, is reported discovered by a tean of workers from the research laboratorie of Chas. Pfizer & Co., Brooklyn, Nev York. The discovery of the drug involve the study of 100,000 soil samples from a over the world in 1949. Terramycin wa derived from a new organism of the acti nomycetes (soil moulds), to which has beei given the name Streptomyces rimosus.

IRISH NEWS

Courses in Chemistry.—From 1951-52 two courses in chemistry will be operated at Queen's University, Belfast — one for candidates for degrees in chemical technology and pharmaceutics, and open to students who have taken chemistry in the Matriculation or other examination recognised by the University; and a second for candidates who are taking degrees in subjects other than chemical technology and pharmaceutics.



CORK GUILD'S DANCE COMMITTEE.—Committee of the Cork Guild of Pharmacy photographed at the Guild's annual dance on February 11. Front row: Mr. T. O'Hanlon, Miss B. Murphy, Mr. T. Lyons Chairman, Miss A. Goode, Mr. W. G. W. Fox. Back row: Mr. J. O'Neill, Mr. D. O'Leary, Miss E. Donovan, Mr. T. Quigley.

TOPICAL REFLECTIONS

Arsenic in Food

The Food Standards Committee of the Ministry of Food has issued recommendaions on limits for arsenic in foods and peverages (pp. 281-82). As is known, a Royal Commission set up about fifty years go in consequence of the discovery of rsenical contamination in beer proposed ertain statutory limits for arsenious oxide s an accidental ingredient in articles of ood and drink; these limits have hitherto erved their purpose to the general satisaction. It is worth recalling that at the eginning of the present century memers of the Society of Chemical Industry reld discussions on methods then practised or the estimation of arsenic, and that proninent representatives of the drug and hemical industries and of pharmacy took part. The present recommendations are rawn up in terms of parts per million, vith a preference for arsenum over rsenious oxide; another salient point is hat "it has been found impracticable to eep the arsenic content of some food djuncts such as colouring and flavouring natters within the narrow limits recomnended by the Royal Commission." xemption, if I may so call it, in favour f shell-fish is wise. Oysters are an outtanding example of a food not complying ith the limits laid down nearly half a entury since. One sometimes wonders ow persons known to have consumed everal dozen of them at a sitting escaped erious arsenical poisoning: possibly they ad acquired an immunity.

oxic Insecticides

Your observations on two Government ublications dealing with insect control p. 277), read in conjunction with the letter f Drs. P. Lesley Bidstrup and Donald Iunter on p. 285, stress a highly imortant subject. Nothing could be more gnificant of the gravity of that subject ian the fact that the letter is signed by wo acknowledged experts. Dr. Hunter ade industrial toxicology the subject of brilliant lecture at a London evening teeting of the Pharmaceutical Society in 1936. Modern industry, he then said. "all 19thinking, is producing all sorts of ghastly iseases." His mastery of a wide subject shown in your abstract of the lecture C. & D., 1936. II. 545); and in the invrening years he has evidently extended is specialised knowledge. In replying to

questions after that lecture, Dr. Hunter commented severely on what he characterised as industrial experiments with man as the experimental animal. A distinction can of course be drawn between exterminating a few ants in a pantry and spraying a thirty-acre field with an insecticide. Chemists in retail business, however, will be wise to watch even small sales of toxic preparations, and to caution purchasers when it is necessary. As to large-scale operations with new or nearly new sprays, there is no doubt that manufacturers are anxious to safeguard users of such products to the utmost of their power. Nevertheless, serious accidents in working with insecticides have occurred recently enough to remind us that caution in their use is imperative.

Perfumery of the Past

The intriguing subject of "Perfumery through the Ages" was chosen by Mr. Paul Johnson for a lecture to a division of the North London Pharmaceutical Association (p. 283). Many as are the books on this subject, a happy choice from the abundant material available can still be made. One feature that cannot fail to impress readers and hearers is the changes in preference that have taken place during the past few centuries. Shakespeare, for instance, has more than one reference to civet as a fashionable perfume. In "Much Ado about Nothing" (Act III. Sc. ii) he gives Don Pedro the remark, "Nay, a'rubs himself with civet: can you smell him out by that?" Claudio replies, "That's as much as to say, the sweet youth's in love." Another and perhaps better known reference to the same perfume occurs in Act III, Sc. ii of "As You Like It." Fluctua-tions of fashion in perfumery are well illustrated in an article on perfumed gloves in The CHEMIST AND DRUGGIST, 1937. I. 341. It is there shown that in France and Italy musk and ambergris were used alternatively with or in addition to civet for rendering gloves attractive to the courtiers of the Renaissance and of a few succeeding generations. Not only gloves but also fans, cushions, wigs and other appurtenances of rank were similarly treated. By the time of Louis the Fifteenth's reign fashions in perfumery had become more refined, even neroli and frangipani being relegated to obsolescence. Eventually scented gloves lost favour, and new perfume bases appeared. Xrayser

NEW COMPANIES

A. S. BIRKBECK & SON, LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale or retail consulting chemists, etc. Alexander S. Birkbeck, M.P.S., and Jack Birkbeck, M.P.S., directors. R.O.: 5 Bailgate, Lincoln.

WEST HARTLEPOOL DRUG CO., LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale or retail chemists, drug merchants, etc. Joseph S. Whitfield, John Grundy, M.P.S., Margaret Whitfield, Mary A. Grundy, Robert W. Johnson, Jane Johnson, George Whitfield and Jane Whitfield, directors. Secretary: J. S. Whitfield, R.O.: 30 Tower Street, West Hartlepool.

Company News

BLADES CHEMISTS, LTD.—The directors are Theodore H. Leyland, M.P.S., and Eric Fearnhead, M.P.S. [Corrected note].

British Industrial Plastics, Ltd.— The company has issued to the British Shareholders Trust £250,000 4½ per cent. unsecured notes at £98 per cent., less 2 per cent. for brokerage and expenses.

Beecham Group, Ltd.—A second interim dividend has been declared of 19 per cent. on account of the year ending March 31, making a total of 36 per cent. so far. In the previous year 36 per cent. was paid in three interim dividends.

Cussons, Sons & Co., Ltd.—Net profits for 1949 after taxation, amounted to £102,149 (£54,292). A final dividend of 40 per cent. (the same) is recommended, maintaining the dividend for the year at 70 per cent. The directors have announced a one-for-two scrip bonus capitalising £50,000 from reserve. Authorised capital is to be raised to £250,000.

Voluntary Liquidations

VIOSULFAL, LTD., 231 Strand, London, W.C.1. Liquidator: Harold Evans, 39 St. James's Street, London, S.W.1.

THE SCHOOL OF OPTICS, LTD., 259 Salisbury House, London, E.C.2. Liquidator: Henry Oscar Wood, High Street, Ingatestone, Essex.

A. G. WRENCH, LTD., retail chemists, 132 Cherry Orchard Road, Croydon. Liquidator: Kenneth Jackson, Westminster Bank Chambers, Station Road, Harrow.

J. F. SIMPSON, LTD., chemists, 3 Oval Park View, Felling, Gateshead, 10. Liquidator: J. A. Crisp, F.C.A., 27 Mosle Street, Newcastle-on-Tyne.

J. K. MATTERSON, LTD., retail chemist Abchurch Chambers, St. Peter's Road Bournemouth. Liquidator: David Jam Gow, chartered accountant, Abchurc Chambers, St. Peter's Road, Bournemoutl

S. R. VAN DUZER & SON, LTD., whole sale export druggists, 57 Holborn Viaduc London, E.C.1. Liquidator: Thomas Anderson, Norfolk House, Laurence Pountne Hill, London, E.C.4.

Compulsory Liquidation

CLEVELAND COURT PHARMACY, LTD.—In the Chancery Division, London, o March 6, an order was made for the compulsory winding-up of the company. was stated that debts amounted to £35

Removal from Companies Register

(From the London Gazette, February 28 The following company is to be struck of the Register and dissolved at the expirition of three months from the above date Our Chemists, Ltd.

BUSINESS CHANGES

ARTHUR STEDMAN, LTD., have remove to premises opposite the post office, Hig Street, Snodland, Kent.

Mr. D. MacLaren, M.P.S., has bee appointed to the staff of Allen & Has burys Co., Ltd., Toronto, Canada.

W. & J. GEORGE & BECKER, LTD., lal oratory furnishers, Hatton Wall, Londor E.C.1, have now an additional telephor number: Holborn 5483.

Scott & Bowne, Ltd., have remove their registered office to 50 Upper Broc Street, London, W.1 (telephone: Mayfa 4422).

EVANS MEDICAL SUPPLIES, LTD., Spek Liverpool, 19, have appointed Mr. L. V Duggan to call on chemists in Monmoutl shire and part of Glamorgan.

Mr. A. M. Bruce, sales manager (Tintex Dyes, Ltd., 127 High Street, Croydon, has been given the additional responsibility of handling the advertising of the product.

British Schering, Ltd., have appointe Mr. E. N. Abrahart, B.Sc., Ph.D., a manufacturing manager, with respons bility for chemical and pharmaceutical ouput, warehousing, and the buying of ray and packaging materials.

LEGAL REPORTS

Sunday Trading Offence. — At Old reet, London, magistrates' court, on Febrary 9, Grossman's (Cash Chemists), Ltd., 16 Whitechapel High Street, E.1, were ned £10 for not having their shop closed 1 Sunday, December 18, 1949, for the rving of customers with supplies of films in dosmetics. A London County Council spector spoke of keeping watch on the op and said that at 1.20 and 1.21 he w customers served. In 1940 the defentits were subjected to a fine of £2 for a similar offence.

Breaking and Entering a Pharmacy.—
t Grimsby borough quarter sessions on obruary 27, Joseph Street, 23 Roberts reet, Grimsby, was charged with breakg and entering the shop of Mr. John ayball, M.P.S., Cleethorpe Road, Grimsy, and stealing thirty-seven bottles of perme, two boxes of Anadin, seven boxes face powder and other articles to a due of £13, on December 31, 1949. He as discharged on condition that he restreet to the probation officer for six onths.

Eire Pharmacy Act Fines.—Before the ting district justice at Dunlavin, co. icklow, Eire, recently, Jane Moynihan, opkeeper, Donard, pleaded guilty to a arge brought at the instance of the narmaceutical Society of Ireland of sell-g a Part II poison (liquid sheep dip), I draught and not in the original sealed ntainer labelled with the name and adess of the seller. She was fined £5, with 2 2s. costs.—Before the same court seph Owens, Dunlavin, was similarly arged and was fined £5, with £2 2s. sts, and £4 13s. witnesses' expenses.

Action Against Food Ministry Fails .-In the Chancery Division, London, rently, Messrs. Dennis F. Underhill and mes Waywell, on behalf of themselves d of the Free (Food) Manufacturers' sociation, asked for an order restricting e Ministry of Food from publishing their tention of bringing within the rationing neme sweets made from unallocated inedients and not previously subject to ntrols. The Association was stated to ve forty-three members carrying on busiss in manufacturing sweets from mateils in free and ample supply. Manufacre developed on a large scale during 49 owing to the influx into this country om Europe of unallocated materials such syrups. Members of the Association

"used their ingenuity" to manufacture sweets from unrationed materials, and sold them at prices 25 to 75 per cent. above the rationed prices. In August 1949 the manufacturers were told they were free to manufacture without licences. The Minister was now saying, said plaintiffs' counsel, that such manufactures came within the scope of rationing. Giving judgment, Mr. Justice Romer said that the evidence showed that the plaintiffs, or some of them, would suffer loss if the Minister's proposals were put into practice, but in his judgment the Court had no jurisdiction to make an interim declaration of right, and there was no alternative but to dismiss the motion.

N.H.S. INTERIM PAYMENTS

The monthly payment on account made to a chemist in respect of each prescription in the bundle for February 1050 (and until further notice) is to be calculated at the rate of 90 per cent. of the chemist's average total cost per prescription (including container allowance) for June 1949 rounded up or down to the nearest penny, minus 1d., (subject to a minimum of 1s. 9d.). In the rare cases where the June bundle is so depleted in numbers that it appears to the Council that the average cost is not representative of the chemist's prescription costs,

the July average may be used.

Settlement of the balance due to chemists in respect of prescriptions dispensed in July 1949 will usually be made before the end of March (if not already made) and that in respect of August some months later. For many chemists there had been a substantial rise in the average cost per prescription between January and June 1949 which had not been reflected in payments on account based on the average cost for January 1949. In these cases a supplementary payment on account will be made in respect of prescriptions dispensed in the five months September 1949 to January 1950, inclusive. This will be 80 per cent. of the amount by which the payments on account actually made in respect of those months falls short of the sum which would have been paid if the payments on account had been calculated on the new basis. The Executive Council can make modifications in the cases where these arrangements are likely to lead to over-payment of the contractor.

MARRIAGE

FINGERHUT—LEIGH. — In London, recently, John H. Fingerhut (Sharp & Dohme, Ltd., Hoddesdon, Herts) to Beatrice Leigh.

DEATHS

ABREY.—At his home in Goodmayes, Essex, on February 28, Mr. Charles George Abrey, aged seventy-eight, Mr. Abrey joined the London staff of T. & H. Smith, Ltd., as a boy, and gave fifty-four years' devoted service to the company. For a number of years he acted as London representative, In 1936 he was appointed a director, and from that time until his retirement in 1939 he was in charge of the London branch of the company.

BRIDGFORD.—At his home in Southport, suddenly, on March 3, Mr. Joseph Bridgford, a director and representative in the North of England for over thirty years of Sparks, White & Co., Ltd., 7 Leather Market, London, S.E.I. Mr. Bridgford also represented Mr. John I Dean, essence manufacturer, High Street Laboratories, Plymouth Grove, Manchester, for a similar period. The interment took place at Southport on March 7.

CHADWICK. — On February 12, Mr. Alfred Ernest Chadwick, M.P.S., 16 Mount Echo Avenue, London, E.4. Mr. Chadwick qualified in 1923.

Cole.—On February 19, after a short illness, Mr. Claude Cole, M.P.S., 16 Sholing Road, Itchen, Southampton, formerly of the Warren Pharmacy Shirley, Southampton, aged seventy-seven.

DIMBLEBY.—On February 12, Mr. James Orlando Dimbleby, 3 Edinburgh Road, Whingate, Leeds, formerly of Blackley, Manchester. Mr. Dimbleby qualified as a chemist and druggist in 1891.

Dunning.—On January 13, as a result of a road accident, Mr. Edwin Harry Dunning, M.P.S., 2 Park Way, Ruislip, Middlesex, Mr. Dunning qualified in 1909 and was previously in business at Birmingham and Bournemouth. In 1948 he was granted permission to practise as a pharmacist in Guernsey, but removed to Ruislip early in the present year.

FOWKES.—On February 10 Mr. Frank William Fowkes, M.P.S., 2 The Crescent, Dollis Hill Avenue, London, N.W.2. Mr. Fowkes qualified in 1927.

Jull.—On February 19, Mr. Alfre Proctor Jull, Highfield East, Ashby Road Burton-on-Trent. Mr. Jull qualified as chemist and druggist in 1900.

KULHANEK. — Recently, Dr. Jarosla Kulhanek, first secretary-general and confounder of the Federation of Czechoslova Chemical Industries, Prague. Dr. Kuhanek and his wife are reported to have died by their own hands.

Latto.—At his home in Bridge Road Woolston, on March 1, Mr. Robert Latte M.P.S., aged seventy-two. Mr. Latto cam south from Scotland shortly after qualifying in 1910 to open a pharmacy in Wirchester. Fifteen years later he had threshops. In 1925 he removed to Southampton and started a chemist's business at 5 Bridge Road. During the 1939-45 war hdid much valuable work as a fire-watche in the badly bombed area of Woolston. His survived by his widow, two sons an one daughter.

PINCHBECK.—On February 21, Mr. Gerald Pinchbeck, Ph.C., Station Road, Hes Bank, Lancaster. Mr. Pinchbeck qualifie as a chemist and druggist in 1897 an passed the Pharmaceutical Chemist examination in 1900.

Shand.—On February 23, Mr. Alex ander Shand, M.P.S., 58 High Stree Budleigh Salterton, Devon, aged seventy six

SMITH.—On February 14. Mr. Alfre Jason Smith, Ph.C., 72 Eaton Avenue Sudbury, Middlesex. Mr. Smith qualifie as a chemist and druggist in 1893 an passed the Pharmaceutical Chemist examination in 1894.

Watkinson. — Recently, following heart attack, Mr. Harry Ronald Watkin son, 40 Great Cambridge Road, Londor N.17, aged sixty-three. Born at Little Hul ton, Bolton, Lancs, Mr. Watkinson qualified in 1908. He removed to London in 1925 and set up in business at Edmontor subsequently opening other businesses a Great Cambridge Road, Tottenham, and Lancaster Road, Enfield. Mr. Watkinson was a former chairman of the Great Cambridge Road Shopkeepers' Association and a Freemason (No. 378 Charity Centenar and King Harold lodges).

WHYSALL. — On February 22, Mrs Gertrude Mary Whysall (née True), wif of Mr. George E. Whysall, M.P.S., 64 High Street Grantham.

PERSONALITIES

DR. P. D. RITCHIE (head of the departnent of chemistry, Central Technical Col-ge, Birmingham) has been appointed to Young Chair of Technical Chemistry the Royal Technical College, Glasgow.

C. W. MAPLETHORPE, Ph.C., R.I.C., A.M.I.Chem.E., who has been



re-elected chairman of the Codex Re-Committee vision of the Pharmaceu-Society, is tical managing director of Allen & Han-Ltd. burys, qualified as a Pharmaceutical Chemist in 1922, and for a number of years was one of the Pharmaceutical Society's examiners in pharmaceutical

chemistry. He has en a member of the Society's Council ice 1943, and is chairman of its educaon committee, Mr. Maplethorpe is a

ember of the Poisons Board.

PROFESSOR RUDOLPH A. PETERS, F.R.S., .C., M.R.C.S., L.R.C.P., M.A. (Cantab.), .D., M.A. (Oxon) (professor of biochestry, Oxford, and Fellow of Trinity Colge, Oxford), has been awarded the 1950 meron prize in practical therapeutics of University of Edinburgh in recognition his discovery of British anti-Lewisite AL) and the application of it to mediie.

Dr. E. N. Abrahart, the new manufacing manager to British Schering Manuturing Laboratories, Ltd., graduated m University College, Nottingham, in 34. He joined the British Schering orhisation in 1947 and has had charge the planning of the medicinal chemical d synthetic hormone plant and laboraies at the company's new factory, Hazel ove, Ches.

Mr. J. J. Brewer, a representative of ne & Son, Ltd., Exeter, was entertained a dinner by the directors and staff of company to mark the occasion of his rement after serving with the company fifty-six years. During the evening was presented with a cheque from the ectors, and with a number of gifts from staff. Mr. Brewer began his career h the company as a warehouse boy.

Mr. John G. Millar, M.P.S., was entertained to a dinner at Ayr recently by Ayr and District Pharmacists' Association to mark his resignation from the Association (of which he has been the assistant secretary), and his acceptance of a post in the estate department of Boots, Ltd., in Edinburgh. During the evening he was presented with a nest of tables. Mr. Millar had, for thirteen years, been manager of the Ayr branch of Messrs. Boots.

MR. W. JOHN MERRICK, M.P.S. (Evans Medical Supplies, Ltd.), was prompted by a recent article, "The Future of the Medi-cal Film," in "Film Sponsor" to write a letter to the editor of the paper, pointing out that pharmacists had been omitted from the classes of person interested in such films. The letter was printed in the January issue, and drew forth a tribute to the co-operation of pharmacists by the author of the article, Dr. E. E. Claxton.

PARLIAMENT REOPENS

THE King's speech at the opening of Parliament on March 6 contained the statement:-" A Bill will be laid before you to amend the Medical Acts so as to raise the standard of medical education and to modify the constitution and disciplinary procedure of the General Medical Council. Legislation will also be introduced to vary the constitution of the Central Midwives Boards and to make other alterations in the law relating to midwives. . . . You will be asked to approve legislation giving further encouragement to the transfer of industrial undertakings to the Development Areas. On receipt of a further report from the committee which is examining the law relating to leasehold, my Ministers will consider what legislation can be introduced to amend the law in respect of residential and business premises."

On March 8 Parliament was asked for an extra £148,000,000 towards the expenses of the current year. The Health Services account for £98.730,000 of this amount. The original estimates of the Health Services proved most inaccurate in the expenses of the Regional Hospital Boards and the teaching hospitals. Increases in pay account largely for this, but pharmaceutical services have (in England £12,000,000 more and Wales), dental services have cost and ophthalmic £14,000,000 more services nearly £10,000,000 more than was

originally estimated.

TRADE NOTES

A New Perfume.—Peter Claridge, New Bond Street, London, W.I, is offering a new perfume, Evergreen, in popular-priced vials of one size presented in decorative display packs.

Self-adhesive Labels.—William Sessions, Ltd., The Ebor Press, York, have introduced a method of delivering self-adhesive labels in "gangs" to suit a manufacturer's needs. The labels, which adhere instantly.



with only finger-tip pressure, to smooth or difficult surfaces, are mounted on a backing strip which in use is rolled away, so that the label separates, exposing its tacky surface for instant adhesion. Bench-type metal "dispensers" are available for operating the system. The illustration shows how the labels are mounted on the roll and then dispensed, either several at a time or singly, if required, by a simple movement. They are suitable for surfaces of metal, plastic, enamel, glass, painted wood and other non-porous surfaces,

Discontinued. — Glaxo Laboratories, Ltd., Greenford, Middlesex, have discontinued the following products:—Acne and staphylococcus vaccine; Acramine; Dekadexolin; glucose ampoules; Sericaine; and Ferrolac (fat modified and full cream).

Prices Unchanged. — Maureen Baun, Ltd., Bury, Lancs, manufacturers of Lorelox and Toddilox, announce that there will be no change in the retail prices of those items. They point out that the prices have remained unchanged since 1938 except for purchase tax additions.

"Super" Homogeniser.—On another page the Creamery Package Mfg. Co., Ltd., Avery House, Clerkenwell Green, London, E.C.I, illustrate and describe their C.P. Multi-Flo homogeniser, a feature

of which is its stainless-steel single-servivalve. The homogeniser is adapted give outputs of 100-1,000 gall. per hot

Mascara Cream.—Fassett & Johnso Ltd., 86 Clerkenwell Road, London, E.C. direct attention on another page to the Tattoo cream mascara which, they clair renders cake mascara obsolete. In use, t cream is squeezed from a collapsible tu on to a dry brush provided in the pac Until April 30 the distributors offer twel tubes of assorted colours (three blue, thr brown, six black) for the price of eleve

New Lanolin Products.—T. F. Bristo & Co., Ltd., Boston Manor Road, Brenford, Middlesex, announce the producti of three new Lanolin products: Bristov lanolin soap (recommended for dry a sensitive skins); lanolin shaving stick a cream (protect against soreness). All a presented in the turquoise, cream a maroon colour scheme of Bristow's lano shampoo.

1950 Press Campaign.—Thompson Capper Wholesale, Ltd., Speke Hall Roz Liverpool, 19, state that the Press advitising for Mothaks in 1950 is to be grea in volume than ever before. 4-in. doub column advertisements are now appeari in most of the leading national dailies, a advertisements will commence to appeon the programme pages of the "Rac Times" during March.

Overseas Sales Visits. — To prome sales in Commonwealth countries of the British-made Buk dry-shaver, directors the manufacturing company, Chilt Electric Products, Ltd., Hungerford, Berare making aerial tours totalling 36,0 miles. Mr. A. R. Ward (managing director) is going to Australia and New Zealar via Singapore, March 7-28, Mr. C. A. Shapcott (a director) is visiting Canad March 10-21.

New Packs.—Burroughs Wellcome Co., 183 Euston Road, London, N.W announce that Physeptone brand linctus now available in packs of 2, 20 and fl. oz. The special prices for three or mc 20-fl. oz. bottles are now cancelled. Damaskin Cosmeticolor leg make-up is no available in three sizes (standard jar, no double-size jar, and collapsible tube). Etensive advertising is planned. Displimaterial is available from the sole agen Thos. Christy & Co., Ltd., Farnha Surrey.

Now Taxable.—Porosan, Ltd., 4 Warick Court, High Holborn, London, I.C.1, have been advised by the Comissioners of Customs and Excise that orosan food bags are chargeable with urchase tax at 66\frac{2}{3} per cent. under Group 3(a). The company's view, which they are been unable to persuade the Commisoners to accept, is that the bags should exempt under Group 23. In consequence of the Commissioners decision, the ade and retail prices were advanced on larch 1. Alternative means to reduce the rice without interfering with the quality to being sought.

Plastic-film Gauge Numbers.—Imperial hemical Industries, Ltd., London, S.W.I, we introduced a system of gauge numbers for defining the thickness of Alkaene, and request that the system be used all orders or inquiries. The gauge numbers, with the thickness they represent, are follows:—150 (0.0015 in.); 200 (0.002); 300 (0.003 in.); 400 (0.004 in.); 500 (0.005 in.); 700 (0.007 in.); and 1,000 (0.010) in.), The high transparency, resist-

ance to chemicals, water and water vapour of Alkathene make it a popular wrapping for a variety of goods, including chemicals. The film remains pliable down to temperatures as low as 60° below zero.

Competition Prize-winners.— The first (£10) prize-winners in each class in a photographic competition organised by Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4, entries for which closed on December 31, 1949, were:—Landscapes, etc., Mr. Clarence Ponting, The Little House, Pangbourne, Berks; Portraits, figure studies, etc., Rev. R. Caudwell, Swardeston Vicarage, Norwich; General, Mr. C. Godby, Seekingjao, East Lane, West Horsley, Surrey. There were also in each class a second prize, value £5; five third prizes, value £2 each; and five fourth prizes of £1 each, plus twenty-five consolation prizes taken from all classes. New spring and autumn competitions are being organised by the company (closing dates, April 29 and October 31), with an increased number of prizes. Full particulars are given in a leaflet.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List (Part 1). Macleans, Ltd., Macleans brand stomach wder (new size), 12s. 3d. doz., tax 33\frac{1}{3} r cent., inclusive retail price 1s. 8d.

Rybar Laboratories, Ltd., Rybar inhaler ar model), 148s. doz., 18s. 6d. (exempt). reolix (formerly Elixir Iodo Creosote Co.), 0z., 20s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1d.; Rybaferrin tablets, 75's, 24s. doz., x 33\frac{1}{3} per cent., i.r.p. 3s. 8d.; Rybromal blets, 20's, 24s. doz., tax 33\frac{1}{3} per cent., p. 3s. 8d.; Rybromal tablets, 100's, is. doz., tax 33\frac{1}{3} per cent., i.r.p. 14s. 8d. Silten, Ltd., Antipressan tablets, tube 25, 20s. 3d. doz., tax 33\frac{1}{3} per cent., p. 2s. 10d.; Leucotropin injections, box five ampoules, 5-c.c., intravenous,

s. 3d. doz., 6s. 3d.; intramuscular, s. 3d. doz., 8s. 3d.; 10-c.c., i.v., 81s. z., 9s.; i.m., 112s. 6d. doz., 12s. 6d.; x of 25 ampoules, i.v., 36os. doz., 4os.; 1., 4o9s. 6d. doz., 45s. 6d. (all exempt pm tax); Leucotropin tablets, box of 2o, s. doz., 6s.; bottle, 10o, 18os. doz., s. (both exempt from tax); Leucotropin terinary injections: rubber-capped ttles, 30-c.c., 39s. doz., 4s. 4d.; 10o-c.c., 3s. doz., 13s. 8d. (both exempt from the control of t

(exempt from tax); tablets, box of 8, 13s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 11d.; 24, 31s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 4s. 5d.; bottles, 8o, 94s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 13s. 2d.; 24o, 239s. doz., tax 33\frac{1}{3} per cent., i.r.p. 32s. 6d.; Quintas tablets, tube of 15, 36s. doz., tax 33\frac{1}{3} per cent., i.r.p. 5s.; bottles, 10o, 180s. doz., tax 33\frac{1}{3} per cent., i.r.p. 25s.

Tampax, Ltd., Dolcin tablets, 500's (new size), 324s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 45s.; (dispensing), 600's, 378s. doz., tax $33\frac{1}{3}$ per cent.

Thompson & Capper Wholesale, Ltd., Varicones (new size), 11s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 7d.

Alterations to Protected List (Part 1).—Bell & Sons, Ltd., George Bell's blood-purifying salts for dogs, nine powders, 4s. 10d. doz., tax 33\frac{1}{3} per cent., i.r.p. 8d.; thirty, 12s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 8d.; George Bell's Katnips condition powders for cats, nine powders, 4s. 10d. doz., tax 33\frac{1}{3} per cent., i.r.p. 8d.

Genatosan, Ltd., Genalax, 2½-oz., 20s. doz., tax 33½ per cent., i.r.p. 3s. 1d. Lehn & Fink, Ltd., The additional 5

Lehn & Fink, Ltd., The additional 5 per cent. discount to retailers on 20s. orders placed through wholesalers has been discontinued.

WHOLESALE DRUG FEDERATION OF IRELAND

The annual dinner of the Wholesale Drug Federation of Ireland held in Dublin, on February 20 (see C. & D., March 4, p. 271), was attended by representatives of both the wholesale and retail sections of the drug trade in Eire,

Mr. I. C. Dawson (chairman of the Federation) presided and gave the toast of "The President of Ireland," which was duly honoured.

The toast "The Federation" was proposed by Mr. John O'Brien, who spoke of the important function which members of the Federation fulfilled in supplying the essential drug needs of the State. The strength of the Federation lay not in numbers, but in its compactness and in the loyalty of its members. The Chairman, who responded, said they all were sorry

that Messrs. T. C. Scott (president Pharmaceutical Society of Ireland) and Coleman (registrar) were unable to be present in view of an engagement in the North, but they were happy to have with them the vice-president (Mr. J. P. Kissane and Mrs. Kissane. In addition to Mr Kissane he was glad to welcome Mr. J. J. Roche (president, Irish Drug Association) and other representatives of the I.D.A Mr. E. T. McCarron (director, P. C. Cahill & Co., Ltd.) proposed "Ou Guests," to which Messrs. Kissane and J. J. Roche responded. Other speaker included Messrs. R. A. Kidney, W. R. Such, and P. C. Cahill, Entertainmen was provided by the Misses M. Thrift and E. Thompson, Messrs. B. McCullagh, F. Cowie, J. Cowle and H. Thompson.

NORTHERN IRELAND HEALTH SERVICES

A RECENT meeting of the Medical Advisory Committee of the Northern Ireland General Health Services Board was attended by Messrs. J. McGregor, R. Gibson and H. W. Gamble (Pharmaceutical Advisory Committee). Before the meeting was a recommendation approved by the Executive Committee in November 1949 that representatives of the two Committees and, if possible, an official of the Ministry of Health should meet to discuss the introduction of repeat and duplicate prescriptions. The Ministry stated that it preferred not to have its officers involved at that stage. The additional annual cost of introducing duplicate prescriptions was estimated at £600, and of triplicate prescriptions, £1,000.

The Committee considered that the introduction of duplicates would not be favoured by the medical profession, but that the reintroduction of triplicates was desired by both doctors and chemists. It was unanimously agreed that such a reintroduction was desirable to enable doctors to prevent extravagant use of medicines and ensure continuity of treatment. Chemists could check their monthly payments and be able to give repeat prescriptions to patients wishing to pay for them. The triplicates would also provide a complete record in the event of loss of original prescriptions and a check on unauthorised alterations (particularly on D.D.A. prescriptions). It was agreed to recommend that the Board should again press for the reintroduction of triplicate prescriptions.

The Committee had before it a prescription issued by a doctor and containing instructions to repeat a previous prescription. The chemist had dispensed and filled in the ingredients. The Committee agreed that the Medical Adviser should investigate the case before it was passed to the Services Committee.

It was decided to submit to the Ministry an inquiry from a doctor whether the Board contemplated the ordering of p-aminosalicylic acid on prescription forms in view of the fact that streptomycin was now free of control. Protests were received from doctors against non-payment for diachylon Elastocrepe bandages and Lestreflex which, it was claimed, had proved efficacious in the special circumstances for which they had been ordered. Neither of those bandages at the time conformed entirely to the requirements of the B.P.C., 1949.

No provision for pharmaceutical services in health centres is at present envisaged, according to the Health Centre Committee,

A supplementary estimate of £720,360 for the Northern Ireland Health Service includes £240,000 for the General Health Services Board, representing additional payments for pharmaceutical services. The additional sum is required for the increased number of prescription forms being dealt with during the year and the increased estimated average cost per form. The cost of the Health Service as a whole exceeded by £1,246,860 the estimate of £7,880,000, but there were savings of £484,500.

RÔLE OF PUBLIC HEALTH LABORATORY

N address on the Public Health Laborapry service was given by Dr. C. L. Green-ng, M.R.C.S., L.R.C.P. (director, Public lealth Laboratories, Hull), to the Hull hemists' Association and branch of the harmaceutical Society on February 10. DR. GREENING began by mentioning me of the main diseases which have had serious effect on world economy and inuenced the world's history through their iterference in wars. Reasons were given or the Government's decision in 1938 to t up a Public Health Laboratory Service proughout the country. On the outbreak war the Service was mobilised and arious laboratories came into being. The niversities established six, London estabshed ten, and sixteen constituent laborapries were opened up. Some laboratories f municipal authorities and private labratories were also associated. The Medial Research Council, which had been sked to run the Service for the Governent, agreed that their pathologists should kamine specimens on condition that the cal authorities paid a nominal charge, eference laboratories for particular pro-ems were established by experts. The cst of these was formed for the typing typhoid fever. Another laboratory was le Salmonella reference laboratory, which ealt with the organisms of food poisonig, while one was established for the typg of streptococci (thus enabling patholosts to find the nurse, doctor or contact sponsible for an outbreak of childbirth ver). A fourth dealt with the chemi-Il examination of food, water, milk and wage. Each laboratory of the Service ad behind it a chain of experts to whom roblems could be referred. Laboratories iroughout the country were stocked with rums and vaccines so that they were adily available if required.

inanced by Treasury

In the investigation of epidemic disease, the Public Health Laboratory Service buld not function without being requested a do so by the medical officer of health of the area or without his consent, which ave rise to a slightly anomalous position. The Treasury had now taken over all runing costs, and provided a universal free truce all over the country. No charge as made by any P.H. laboratory for instigations carried out at the request of the local authority. The Service was still nder the M.R.C., but it was not known

how long that would continue. There were now fifty-three constituent and associated laboratories. These investigated large numbers of outbreaks of infectious disease and provided a consultative service for the local medical officers of Health. The Service encouraged research by individuals and helped them in personal lines of research.

Hull Laboratory

There was no P.H. Laboratory in Hull. said the speaker, until February 1948 when the M.R.C. agreed with the Hull Corporation to lease the ground floor of the city analyst's laboratory and the speaker was asked to take over. The number of specimens then examined was 5,000 per annum from an area in the immediate environment of Hull. Now they had jumped to 52,000 per year. There was a system of road collection under which certain places were called upon regularly every week. Trained teams could be sent out at a moment's notice to deal with an outbreak of disease, when requested to do so by a officer of health. medical work included diagnosis from tuberculosis sputum, examination of swabs for diphtheria, examination of excreta for diseases of the food-poisoning group, examination of food for food-poisoning organisms; general hospital bacteriology of a particu-lar type ("herd" diseases), examination for gonorrhœa, bacterial control of water supplies of an area (except in Hull), reporting on the purity of ice-cream and shellfish and the bacteriological examination of milk for the tubercule bacillus. Sewage and rats were also examined.

The problems to be faced involved not only routine but research work. Food poisoning constituted a grave problem and the Service could rarely help because primarily the patient did not report to his doctor. Food poisoning could be stopped but not by statutory authority alone. Chemists could help by advising a customer who asked for "something to settle the stomach" to go to his doctor.

Guide to Exporters.—A booklet, "Dollar Sales—Consumer Goods," the first of three publications to assist the sale of British goods in the U.S. and Canada, has been published by the Dollar Exports Board. Copies may be obtained from the offices of the Board at Thames House, London, S.W.I.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held in London on March 1, Mr. H. Clement Shaw (president) in the chair.

Apart from routine matters, the most important items dealt with were the membership of the Codex Revision Committee and a statement to members by the Council on the sale of slimming preparations and "cold cures." The statement, which was prepared by the Ethical Committee is as follows:-

DURING recent months articles have appeared in the public Press concerning the use of substances of the d-amphetamine type for slimming and of antihistamine substances as "cold cures." These articles have created a demand for certain preparations but have not made it clear either that medical supervision in their administration is in all cases highly desirable or, where the substances are First Schedule poisons, that they cannot be bought freely. The situation has emphasised the importance of pharmacists' adopting a common policy in dealing with customers who are unacquainted with the dangers of indiscriminate use of these substances. In the Council's opinion therefore, in addition to complying with the legal requirements for substances in the First Schedule to the Poisons Rules where necessary, pharmacists should satisfy themselves before supplying any such preparation that the purchaser understands the dangers of the preparation and the desirability of refraining from taking it except under medical supervision,

Codex Revision Committee

The new Codex Revision Committee is constituted as follows:-

Maplethorpe. Ph.C., F.R.I.C., A.M.I.Chem.E., chairman.

Professor H. Berry, B.Sc., Ph.C., F.R.I.C., Dip.Bact.

G. R. Boyes, L.M.S.S.A., B.Sc., Ph.C., F.R.I.C. H. Treves Brown, B.Sc., Ph.C. Professor H. Brindle, B.Sc., Ph.C., F.R.I.C.

B. A. Bull, Ph.C., A.R.I.C.

H. Davis, B.Sc., Ph.D., Ph.C., F.R.I.C. W. C. Johnson, F.R.I.C.

Professor W. H. Linnell, M.Sc., Ph.D., D.Sc., Ph.C., F.R.I.C.

F.R.I.C., F.R.I.C.
A. D. Powell, M.P.S., F.R.I.C.
H. G. Rolfe, B.Sc., Ph.C., F.R.I.C.
J. M. Rowson, Ph.D., M.Sc., Ph.C.
T. E. Wallis, D.Sc., Ph.C., F.R.I.C., F.L.S.
A. Wilson, M.D., Ph.D., Ch.B.

The following members will act as chairmen of subcommittees:—Action and Uses, Dr. Boyes; Pharmacy, Professor Berry; Pharmaceutical Chemistry, (fine chemicals), Professor Linnell, B (inorganic chemicals and solvents), Mr. W. C. Johnson, C, (Formulary Standards), Mr. A. D. Powell; Pharmacognosy, A (General Pharmacognosy), and (Essential Oils, Fixed Oils and Fats) D Wallis. The Codex Revision Committee its first meeting, had recommended that Codex Supplement should be produced : soon as possible after publication of the pending Addendum to the B.P., 1948, ar that it should contain monographs on ne substances additional to those contained in the Addendum. The recommendatic was adopted.

Registration and Membership

THE SECRETARY reported that, since the previous meeting, fifty-six persons had bee registered as apprentices or students, ma ing ninety-seven since January 1. Authori was given to issue diplomas to forty-for persons who had passed the Pharmaceut cal Chemist examination. Two applications tions for registration under reciprocit agreements were granted. Applications for restoration to the register of three person whose names had been deleted in 101 and of nine persons whose names ha been deleted in previous years, wei granted.

Resignation of Professor Dilling

THE PRESIDENT reported that he ha received a letter from Professor W. J. Dil ing announcing his resignation from men bership of the Council as a nominee of th Privy Council. In his letter Professo Dilling said:—

IT is with very real regret that I have sent m resignation as one of the Privy Council membe of your Council to the Lord President. As yo are aware, this is for reasons of health which prevent me from being as active as I shoul wish. I should be grateful if you will convey to my friends and former colleagues on the Pha maceutical Council my deep appreciation of the courtesy and kindnesses to me during my associa tion with them. I retain many happy memoric of our meetings and of our personal relationship It has also been a privilege to be closely con cerned with the production of your valuab pharmaceutical publications. May I add m sincere thanks to your administrative and editorial officers for their invariably helpful counse and assistance at all times. I shall always retai a close interest in the work of the Society an my best wishes for the future welfare and ac vancement of the Pharmaceutical Society of Great Britain accompany this letter.

THE PRESIDENT said that he would send personal letter to Professor Dilling, ex pressing the Council's sympathy and regret and their appreciation of the services tha he had renderd to the Society. It was nnounced that the Privy Council had appointed Drs. I. A. Giles and B. A. oung to be members of the Council of

ne Society,

On the motion of Mr. A. R. MELHUISH, ipported by other members, the congratutions of the Council were tendered to fr. Hugh N. Linstead on his re-election Parliament.

cholarships and Training Centres

MR. A. A. MELDRUM (chairman of the ducation Committee), moved as a recomendation of the Committee that the harter Travelling Scholarship for 1050should be awarded to Miss Winifred illian Keepe to enable her to study the ethods and conditions of pharmaceutical ractice, teaching, or research, in Italy. he recommendation was agreed.

The Council approved a recommendaon by the Education Committee that e Regulations for the Research Scholarips should be amended to enable a holarship to be awarded, if desired for ork in the research laboratories of the ociety's museum. [Hitherto the scholarips have been tenable only in schools of

harmacyl.

MR. MELDRUM also reported that, since he previous meeting, twelve applications r approval of pharmacies had been grand. Five such applications had been ceived in respect of "health centres," all them in South Wales, and the Commite had agreed to approve four and visit the other one. In reply to a queson by Mr. F. C. Wilson, he said that the committee was satisfied that the conitions at the centres were at least equal those that had prevailed in retail estabshments approved in the past, and were etter than when they were previously spected. There was no reason to believe at puplis would not get an adequate aining in them.

THE PRESIDENT thought that the term health centres" might be a little isleading to the public and THE ECRETARY explained that the places ere legally "health centres" in that ney were administered as such under ne National Health Service Act, but they ere not health centres in the popularly nderstood sense of the term. The estabients had existed beforehand on a riendly Society basis. The Council went nto committee to debate this subject urther from the point of view of the dequacy of these centres for tuition.

Mr. Granville Shaw (chairman of the Establishment Committee), reported that a sixteenth-century Herbal by Rembert Dodoens (1583) had been offered to the Society for purchase, and the Librarian was authorised to buy it for £15. The Curator had drawn the attention of the Committee to the fact that for data which he required for an aricle on belladonna he had had to photograph pages from the Linnean Society's copy of Fuch's Herbal (1542). The Committee had considered it desirable to purchase a copy of the Herbal when opportunity arose. Mr. C. W. Maple-THORPE mentioned that the current quoted price was about £280. A gift to the Society by Mr. N. Dewey of an early nineteenth-century medicine cabinet was mentioned. Approval was given for certain expenditure on the repair and decoration of the Society's premises, and the purchase of six oak tables for use in the library,

Branch Representatives' Meeting

On the recommendation of the Organisation Committee it was agreed that the agenda for the meeting of Branch Representatives to be held on May 18, should be as follows:-

1. Chairman's introductory remarks.

2. Chairman to call attention to the Rules of

3. Report of the Council on business transacted at the Branch Representatives' meeting in May 1949. 4. Consideration of the motions and amendments

submitted by Branches.

The following rule was added to the rules of procedure: "Not more than three motions shall be submitted annually by a Branch.

It was decided that the annual general meeting of the Society should be held on Wednesday May 17, and that the procedure should be as followed in 1949: a formal session at 10 a.m. for the appointment of scrutineers, and an adjourned meeting at 8 p.m. for the transaction of all other business.

Inspections

The report of the Law Committee showed that in January the Society's inspectors and agents had visited 1,194 authorised sellers, 151 listed sellers, and 405 drug store proprietors and similar traders. Twelve cases of alleged infringements of the Pharmacy Acts and of the Penicillin Act, 1947, were considered and appropriate action taken.

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OL. CLIII MARCH 11, 1950

No. 3655

Ethics and Discipline

s will be seen from the report of its ionthly meeting on p. 306, the Council f the Pharmaceutical Society has issued statement charting the proper course s members should take when called upon supply (a) antihistamines and (b) amphetamine otherwise than on precipition. By so doing it has acted in coordance with the Society's motto, Habenda ratio valetudinis," and the mmunity is to be congratulated on being rived by a body prepared voluntarily to houlder such a responsibility.

For chemists, the statement raises a umber of issues. The need for action as been caused, as everybody knows, by ublicity given in the lay Press to drugs at are either scheduled poisons or have de-effects rendering them unsuitable for lf-medication. So far as the antihistmines are concerned, it is to be noted at while they are not statutory poisons, heir inclusion in the Poisons List has een pressed from some quarters, and it mains to be seen whether only the initable time lag prevents them from being ready on the list.

But (a) the circumstances in which the ublic becomes acquainted with the name a new proprietary that would normally main "ethical" (in the sense of being ublicised only to the medical profession) e are unique; they are likely to happen sain, perhaps even as often as there is advance in chemotherapy; and (b) time g before official action takes place can

never be overcome, or only on the assumption that no new preparation is put on the market until it has been "vetted" by the Poisons Board (and even that course would leave loopholes, since side-effects are often only belatedly revealed).

Leaving aside the unpleasant suggestion made in another journal that increased compensation in proprietaries may lead to deliberate "planting" of concealed advertising in the editorial columns of newspapers, it is certain that the public will get to know of many new preparations that come on to the market. Is the Council therefore to be issuing from time to time further warning statements in anticipation or in advance of statutory control? That is one point that chemists should consider.

Relation to Code

Furthermore it should be noted that the statement has been drawn up by the Ethical Committee of the Council-i.e., the Committee presumably responsible for the Statement upon Matters of Professional Conduct. Does the statement come within the Code in the sense of being a factor to be taken into account by the Statutory Committee in instituting disciplinary action against members? That is a matter of which pharmacists need to be made completely aware, since the penalty for nonobservance might be erasure from the Doubts about discipline Register. never very healthy, and members would feel happier if they could feel reassured that the Statutory Committee would act with equal effectiveness towards all offenders against the existing Code before introducing extensions to it. On one important issue the Committee allowed circumstances rather than its own decision to provide some measure of solution, and are further faced with the dilemma of a Government department countenancing action held by the code of professional conduct to be unethical

The task of the Ethical Committee should be to trim the Code to an effective instrument; of the Council to make clear whether its statement is part of the Code or a pious exhortation, and of the Statutory Committee to ensure that, under the Code, justice is not only done but seen to be done.

Nutrition and Science

NUTRITION, a problem related in certain aspects to the practice of pharmacy, has been brought to the fore by the publication of a report by an expert committee appointed by the British Medical Association recently and by the holding of a two-day conference on food (especially in its social implications) by the Association of Scientific Workers (see p. 293).

The B.M.A. Committee was set up, under the chairmanship of Lord Horder, to examine the adequacy or inadequacy of war-time and post-war diets. In a 106page report, the Committee finds that, while supplies of calories have been well maintained and those of most nutrients have increased, the diet of the nation has, on the average, deteriorated since 1939 in variety and palatability. The amounts of various nutrients needed by an average individual, as assessed by a subcommittee under the chairmanship of Sir Jack Drummond, correspond in general with those recommended by the American National Research Council in 1945 (e.g., 2,554 calories against 2,564) although the figure for vitamin C (20-30 mgm.) is only about one-third of the American. No direct evidence is found that diet has influenced the increased rates of mortality and morbidity from tuberculosis, or is related to a reported increase in complaints to general practitioners of vague ill-health. The physique of children was generally maintained during the war years, but tended to fall back in the years 1945-47. The need for further research on the interpretation in terms of treatment of the results of biological estimations is stressed. trate the point, it is mentioned that the figures for hæmoglobin concentrations in the blood (which vary with, among other factors, economic status) give some evidence of an increase of anæmia in 1941-42, with recovery in the following years. Estimations of the protein content of serum was found not to provide a reliable basis for estimating nutrition levels. During the period there appears to have been a sporadic deficiency of ascorbic acid and vitamin A (though not higher than before the war). There was no evidence that rickets was more common or severe than pre-war.

An Anglo-French Exhibition

A RECENTLY held exhibition of Frenc Scientific Instruments at the Science Museum, London (see p. 313), has show how French ingenuity has been applied to devising tools for tackling problems common to scientific workers throughout the world. While the exhibition concentrate on physical science, and not all of the instruments were claimed to be new, the nevertheless proved instructive and stimulating to British visitors.

The exhibition reflected the modes of research in France. Numerous exhibit came from old established manufacturer. but a number of main sections were de voted (appropriately for a country wher State-aided research has had a long his tory) to official research agencies, Amon them was an exhibit by the Centr National de la Recherche Scientifique—a organisation formed in 1939 from a num ber of research bodies, and resemblin somewhat in structure the Department c Scientific and Industrial Research Britain. The exhibition has strengthene the scientific link between the two cour tries, and was supported by distinguishe British organisations, A second exhibitio in the reverse sense (British instruments i France might prove equally valuable to th cause of science.

T.B.I. 698

WORK done in Germany on the thiosemicar bazones as anti-tuberculosis compounds i reviewed by the "Lancet" (February 11 p. 264). The most active was T.B.I. 69 (4-acetyl-aminobenzaldehyde thiosemicar bazone), which was effective both orall parenterally. Domagk fabriken Bayer) considers that, in combina tion with streptomycin, it is more effectiv than either drug used alone. The dosag of the drug is low and it is less expensiv to produce than either P.A.S. or strepto mycin. Very prolonged treatment with i is desirable. "Unfortunately its potentia toxicity is greater in many respects that that of streptomycin," though, despite it toxicity, it can safely be given for lon periods under medical supervision. Lanu facture and evaluation of the compound in the United States is understood to be planned.

OINTMENT BASES

THE origin of ointments is lost in antiquity. The tomb of the Egyptian - Pharoah, Tut-Ankh-Amen, who was terred some 1,300 years before the birth Christ, contained an ointment consisting an animal fat, a resin, and a balsam. hroughout the ages the development of ntments has been closely allied with that cosmetics. More recent years have seen e introduction of new emulsifying agents nd surface-active materials. Doctors connued to prescribe and pharmacists to disense the conventional greasy ointments ng after the cosmetic industry had appreated and adopted the advantages of the ew materials. Gradual recognition by ading dermatologists of the possibilities the newer types of ointment bases,

pupled with a need to economise in oils nd fats, has, however, now led to the inoduction of a variety of ointment bases r the application of medicaments to the

It is convenient to classify ointment bases to six groups:-

(1) Conventional greasy ointments.

(2) Oil-in-water emulsified bases. (3) Water-in-oil emulsified bases. (4) Oil-in-water emulsifying bases.

5) Water-in-oil emulsifying bases. (6) Fat-free bases.

ach group will be considered in some etail.

onventional Greasy Ointments

Animal fats and vegetable oils have been e basic materials of ointments for many nturies. At one time, goose grease was e most widely used. Unfortunately, anial fats tend to develop rancidity, owing atmospheric oxidation, and the resultant eparation is disagreeable in odour, acid reaction, and sometimes irritating in use. ard has survived other animal fats as an ntment base, because it was discovered at it would dissolve out an antioxidant om benzoin. Newer and more effective itioxidants are now available. One of em, propyl gallate, is non-toxic, odourss and tasteless. In suitable concentraon, it is an excellent antioxidant for prenting rancidity in fats and oils.

Wool fat, or more correctly, wool wax, another popular ingredient of ointment ises, and has been used since at least the ys of the Roman Empire. Wool wax difrs from the other conventional greasy ntment bases in that it has some emulsiing properties and will absorb about oneird of its weight of water. Hard, soft and liquid paraffins are by-products of the petroleum industry, and are therefore of much more recent introduction. Hard and soft paraffins first appeared in the British Pharmacopæia of 1885, and liquid paraf-fin in that of 1898. They are odourless, chemically inert, and non-irritant, and by varying the proportions of the three types of paraffins it is possible to produce ointments of a wide range of consistencies. Unfortunately, soft paraffin, B.P., is a variable product, and that has been one of the causes of variations in the consistency of ointment of wool alcohols. The U.S. Pharmacopæia endeavours to standardise the consistency of soft paraffin by a weight penetration test. A conical weight is placed on the surface of soft paraffin in a standardised container, and the penetration of the weight in a given time is noted.

Oil-in-Water Emulsified Bases

The oil-in-water type of base contains a primary emulsifying agent, an auxiliary emulsifying agent or stabiliser, oil, water, and a preservative. An example is hydrous emulsifying ointment, B.P. Frequently the primary emulsifying agent and stabiliser are combined to produce a self-emulsifying wax. Emulsifying wax, B.P., is a composition of sodium lauryl sulphate or similar sodium salts of higher primary fatty alcohols, as primary emulsifying agent, with cetostearyl alcohol as stabiliser. Emulsifying wax, B.P., and several proprietary emulsifying waxes, which for various reasons do not conform to the B.P. specification, are useful for the preparation of oilin-water emulsified bases. Emulsifying wax is stable over a wide рн range, and compatible with most constituents of ointments. Difficulty may be experienced with iodine, and to a lesser extent with more than 2 per cent. of most medicinal dyes, including gentian violet, acriflavine and proflavine. More than 2 per cent. of mercuric oxide is also unsatisfactory. Emulsifying wax, B.P., is an anionic emulsifying agent, because it is the anion which contains all the factors that make the substance emulsify. There are also cationic emulsifying agents, such as cetyl trimethyl ammonium bromide. Cationic and anionic emulsifying agents are mutually antagonistic, and unless there is a large excess of one over the other, an unstable product results when both types of emulsifying agents are present. Thus Cetrimide is not compatible with emulsifying wax, B.P. New non-ionic emulsifying agents are being

developed, and these should, for some purposes, possess considerable advantages over the official formula, since they produce more stable products and do not cause incompatibilities by remaining undissociated in the ointment base. Examples of this type of emulsifying wax are Polawax and Empiwax NO. Other emulsifying agents have been employed fairly extensively for preparing oil-in-water emulsifying bases. The alkali soaps and triethanolamine soaps are employed for the preparation of oint-ment bases, but they have been criticised on account of their incompatibility with certain medicaments and also because of high alkalinity. Glyceryl monostearate is a valuable stabiliser. When it contains a little soap as primary emulsifying agent it becomes self-emulsifying, producing elegant and emollient preparations.

Improvement by Homogenisation

All emulsified ointment bases are vastly improved by the process of homogenisation. The process breaks down the globule size and produces a much more stable emulsion. Homogenisers are of two basic types — those which force the emulsion through a valve of fine aperture, and the colloid-mill type which exerts its effect by passing the emulsion between a fine clearance of a rotor and stator.

Because O/W bases contain water in the external phase they are prone to develop mould growth on prolonged storage. If the base does not already contain a bacteriostatic agent which is also fungistatic (and not all bacteriostatic agents are fungistatic) a preservative should be included. Chlorocresol, phenyl mercuric nitrate or acetate or chlorbutol are all suitable. The esters of parahydroxybenzoic acid, sold under the trade name Nipa, are an especially useful series of preservatives. If there is no water present in an ointment base, no mould growth will occur, and therefore a preservative is not necessary. On prolonged storage, oil-in-water emulsified bases tend to lose water by evaporation. To prevent this, air-tight lids are essential and such bases should never be left in open containers. Because of the water present, and because most emulsifying agents have an additional wetting effect, the bases cause rapid rusting of metal containers. If metal caps are used with jars, suitable linings are essential; tin-foil coated wax discs or plastic liners are satisfactory.

The outstanding emulgent in the W/O emulsified bases group is the product known as wool alcohols. This is prepared from

wool fat by removing the fatty acids by saponification and separating the woo alcohols from the unsaponifiable residue by vacuum distillation or extraction with solvents. The product contains a high proportion of cholesterol (B.P. limit 28 per cent.) together with other sterols, triterpene alcohols and some aliphatic alcohols The emulsifying powers of wool alcohols are not entirely due to cholesterol, since crude cholesterol mixtures are better emulgents than pure cholesterol. Hydrous oint. ment was introduced in the Pharmacopœia in order to economise in paraffins Good samples of wool alcohols will absort many times their weight of water (a 5 per cent. mixture of some samples of wool alcohols in soft paraffin absorbs 350 per cent water) but on storage there is a tendency for separation to occur. This is especially so if the water content of the ointment is high, and it is therefore advisable that if should not exceed 50 per cent. Wool alcohols are compatible with most ingredients but separation of hydrous ointment may occur with some medicaments such as phenol, more than I per cent. of solution of coal tar, other ingredients such as ichthammol and sublimed sulphur, and 20 per cent, calomel when stored for a period of time. Iodine again presents difficulties.

(To be concluded)

FIFTY YEARS AGO

A Tercentenary Celebration (From the C. & D., March 10, 1900) On Friday evening, March 2, the Faculty of Physicians and Surgeons of Glasgow gave a conversazione in celebration of the tercentenary of the Faculty. . . . The most interesting part of the exhibition to pharmacists was the very fine display of drugs, pharmaceutical products, and medical sundries arranged and shown by Mr. John McMillan, chemist, St. George's Cross. The exhibition . . . reflected great credit on Mr. McMillan . . . The most important was Mr. McMillan's own exhibit, which occupied a stand running the whole length of the room. On this was arranged a fine collection of crude drugs and alkaloids, together with a unique display illustrating the principal features of the 1898 B.P., these including syrups, liquors, pills, lozenges, and suppositories, pessaries, bougies, cachets, etc. Most of these were

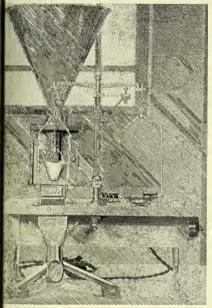
from Mr. McMillan's own laboratory.

Some of his specialities, such as covera-

jelly, sublimate isinglass-gauze, and chicken and bone drainage-tubes were shown.

ONDON EXHIBITION OF FRENCH INSTRUMENTS

exhibition of French scientific instruents, believed to be the first of its kind, is held recently at the Science Museum, uth Kensington, London. The exhibits re supplied by French National Laboraties and by instrument manufacturers. The included an automatic batching lance (see illustration) made by E.C.A.M.P., 27 Grand-Rue, Le Plessisuchard, Seine-et-Oise, which enables up 1,000 separate weighings of small quantical section.



tomatic batching apparatus (S.E.C.A.M.P., Paris)

es of powder to be made per hour with accuracy of from ±1 mgm. The powto be weighed falls by gravity from a pper on to a sloping tray that is vibraby an adjustable electro-magnetic rator. The vibration effect causes the wder to travel to the end of the tray, m which it drops into the weighing pan a balance. When the correct amount of wder is in the pan the current to the prator is cut by the movement of the lance arm. By pressing a lever, the erator empties the pan, so that the confall down a shute. Designed pririly for use with dry, non-deliquescent wders, the apparatus, with modificans, is being used in France for weighing—for example—penicillin and streptomycin. The balance is made in sizes suitable for weighing batches I decigm, to I kilo in weight.

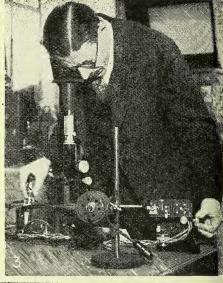
Massage Apparatus

Another instrument in which a vibrating mechanism has been embodied is an infrasonic massage apparatus shown by Le Vibrion, 53 rue de Seine, Paris, 6. A small aerosol generator, capable of producing mists of 1/1000-mm. particle diameter, was shown by Laboratoires du Centre de Recherches Scientifiques Industrielles et Maritimes de Marseille, who have also designed special glasses for treating the eyes with aerosols of antibodies, etc.

Among the optical instruments shown was a universal refractometer, made by Optique et Precision de Levallois, 10 rue Auber, Paris, 9, and designed for measuring the refractive index of solids or liquids, whether transparent or opaque; a wide field microscope by Imagiscope, 39 rue Gambon, Paris 1, and a stereoscopic binocular microscope by Laboratoires des Etablissements Barbier-Benard & Turenne, 82 rue Curical, Paris, 9. The Centre National de la Recherche Scientifique, 13 Quai Anatole-France, Paris, 7, showed a device for converting an ordinary into a phase-contrast microscope; a simple polarising microscope for students' use; an ophthalmoscope; an optometer for the rapid examination of vision; and an apparatus for panoramic photography. The Société de Commentry-Fourchambault & Decazeville, 84 rue de Lille, Paris, 7, showed a thermobalance for studying thermochemical reactions by a continuous weighing process. Recherches Mecaniques & Physiques, 2 rue Danton, Levallois-Perret (Seine) had adapted stroboscopic apparatus for incorporation in a laryngoscope for stroboscopic studies of vocal chords. A pneumatic micro-manipulator shown at the exhibition is illustrated on p. 314. Other exhibits dealt with the extraction of fatty acid from cork, the manufacture of detergents, etc. The exhibition was held under the patronage of the Cultural and Commercial Counsellors to the French Embassy, and with the support of the Royal Institution of Great Britain. Mr. Marcel Semet, 2 Caxton Street, S.W.I. was largely responsible for the genesis of the exhibition, and Ingenieur-General Libessart for collecting the material in France.

NEWS IN PICTURES







PRODUCTION OF RADIOISO TOPES IN "BEPO" PILE. - Th Ministry of Supply's second and larger atomic pile, BEPO, at Harwell is now in production with radioiso topes. The aluminium cans containing material for isotope production ar placed in graphite blocks, which ar slid into and out of the pile through the lead tunnel on the platform. Afte irradiation, the can falls through the flexible tubes into a shielded con tainer on the trolley below. The worker by the trolley is using a health monitor to measure the amount of irradiation present.

3. FRENCH SCIENTIFIC INSTRUMENTS IN BRITAIN.—An exhibition of French scientific instruments staged recently in London (see p. 313) attracted many visitors. An illustration shows one of them examining a Fonbrune pneumatic micro-manipmor. A reduction in movement in the proportion of 40:1,200 can be obtained.

COMING EVENTS

Monday, March 13

OUTH SHIELDS PHARMACISTS' ASSOCIATION, Dorset Café, Ocean Road, South Shields, at 7.30 p.m. Social evening.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Red Cross Rooms, Hackins Hey, Liverpool, at 7.45 p.m. Address by Dr. E. R. Banner (Consultant Psychiatrist to Myrtle Street Children's Hospital).

Tuesday, March 14

Tuesday, March 14

Tuesday, March 14

Tuesday, Pharmaceutical Society, 64

St. James' Street, Nottingham, at 7.30 p.m., Miss Agnes Lothian, Ph.C., on "London and Pharmacy in the Seventeenth Century."

Treston Pharmacists' Association, South Lounge, Bull and Royal Hotel, Preston, at 7.45 p.m. Mr. E. Pedley, Ph.C., M.Sc., A.R.I.C., in "The Use of Science in the Detection of Crime."

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, at 8 p.m. Mr. T. Reid (a member of Council) on "Progress Report."

ALSALL BRANCHES, NATIONAL PHARMACEUTICAL UNION and PHARMACEUTICAL SOCIETY, Pattison's Café, The Bridge, Walsall, at 7.30 p.m. Inspector Scott (Walsall County Borough Police Force) on "Scientific Methods of Crime Detection."

BIOMETRIC SOCIETY (BRITISH REGION) and BIO-LOGICAL METHODS GROUP, SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS, the Medical Society of London, Chandos Street, Cavendish Square, London, W.I, at 2.45 p.m. Symposium on "The Design and Evaluation of Biological Assays."

Wednesday, March 15

WESTERN LONDON PHARMACISTS' ASSOCIATION, and WEST LONDON BRANCH, PHARMACEUTICAL SOCIETY,

17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. P. W. Harris (president, Royal Photographic Society), on "Present Advances in Colour Photography," supported by Mr. A. Aldington, M.P.S., A.R.P.S.

cottish Department, Pharmaceutical Society, 36 York Place, Edinburgh, at 7.30 p.m. Mr. Norman J. Harper, M.Sc., A.R.I.C., Ph.C. (N. Ireland), on "Detergents."

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Imperial Hotel, Barnstaple, at 7,30 p.m. Mr. C. Beaven, Ph.C., A.R.I.C., on "Modern Conceptions of Drug Action" (illustrated).

Thursday, March 16

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Conway Hall, Walthamstow, at 7 p.m. Address by Mr. H. M. Hirst (a member of Council), followed by entertainment.

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Fras-cati Restaurant, Oxford Street, London, W.1, at 6 for 6.30 p.m. Annual dinner and dance.

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, main lecture hall, South Devon and East Cornwall Hospital, Freedom Fields, Plymouth, at 7.30 p.m. Dr. J. Graymore on "Some Aspects of Pharmaceutical Education."

Wimbledon Pharmacists Association, Wimbledon Town Hall, at 7.45 p.m. Mr. J. Wright, Ph.C. (assistant secretary, National Pharmaceutical Union), on "Recent Developments in N.H.S. Matters."

Friday, March 17

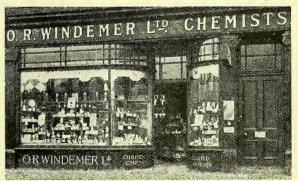
Society of Public Analysts and Other Analytical Chemists, meeting room, Royal Society, Burlington House, Piccadilly, London, W.1. at 4.30 p.m. Annual meeting and Bernard Dyer 4.30 p.m. Annua Memorial lecture.

THE PROFESSION IN PRACTICE

7.—The Pharmacy of O. R. Windemer, Ltd., Royal Parade, Harrogate

ESTABLISHED in 1829 near to he Old Sulphur Well and the Royal Baths. Harrogate. Yorks, this pharmacy, reputed o be the oldest in the town, nas always been closely connected with spa treatment. It nas specialised in dispensing prescriptions from all parts of Britain and abroad. The irst owner, a Mr. Waite, carried on the pharmacy until 1861. After passing through several other ownerships, the pusiness was purchased in 1911 by Mr. O. R. Windemer, Ph.C., who is still associated

with it. The present frontage, of local tore, was built in 1913 to replace the original removed because of ground sub-idence. In 1936 the business was turned nto a private limited company, and Miss O. Windemer (the present superintendent)



made a director. A notable feature of the public part of the pharmacy is its mahogany fittings. The window displays are always carefully planned to be in keeping with the shop's tradition. The dispensary is separate from the shop.

MEDICAL ABSTRACTS

Antidotes to C10.—A warning that pentamethonium iodide (C5) should only be used "with the utmost circumspection" as an antidote to decamethonium iodide muscle relaxant is given by Davison ("Lancet," 258, 252-253). Doses as small as 10 mgm. produce a profound fall in blood-pressure. Gray (ibid., p. 251) suggests that hexamethonium bromide is a partial antidote "probably sufficiently effective to be of value."

Continued Successes Against Scrub Typhus.—Further experience with Chloromycetin in military hospitals in Malaya prompts Giles and Symington ("Lancet," 1949, 258, 16-19) to state that its "brilliant promise" has been amply fulfilled. They suggest that the routine treatment of scrub typhus need consist of no more than a single 3-gm. dose. Only when no obvious improvement is apparent within 10-12 hours should an additional dose of 1 gm., followed by 0.25 gm. 3-hourly to a total of about 6 gm. be given.

"Para-hayfever" Allergens. — The name "autumn para-hayfevers" has been given by Budd and Freeman ("Lancet," 1949, 257, 1171-72) to allergic reactions occurring too late in the year to be caused by grass pollens. On treatment these para-hayfever patients derive no benefit from grass-pollen vaccine, but give desensitisation results with their own particular pollen extracts. Numerous instances of "dual or multiple" sensitivity indicate a need to investigate the "veritable hotchpotch" of different protein molecules in the pollen of a single grass.

Use of Procaine Penicillin.—Wayne and colleagues ("British Medical Journal," 1949, 2, 1319-22), conclude from an examination of the penicillin blood levels of patients and volunteers injected with procaine penicillin under different conditions, that the daily administration of 600,000 units of procaine penicillin in arachis oil with 2 per cent. of aluminium stearate is to be favoured as a means of discontinuous penicillin therapy. "Remarkably constant" bacteriostatic levels were maintained especially with preparations containing many particles of small size (below 5\mu). No reactions were seen, and the injections were almost painless.

Tetraethylpyrophosphate Poisoning.— Faust and Rouge ("Journal of the American Medical Association," 1949, 141, 192-

93) describe a case of poisoning due t tetraethylpyrophosphate (TEPP) patient who had used the substance in a extremely strong solution" and withou "elementary precautions," as an insecti cide. The symptoms included the patient' breath having a characteristic odour pupils being constricted, profuse salivation and slow wavelike contraction of the muscles. The next morning all symptom had disappeared except abdominal cramp ing and vomiting. The authors state tha the antidote to the substance is atroping 1/100 gr., repeated till dilatation of the pupils takes place plus anticonvulsive treatment.

Effects of p-Aminosalicylic Acid.-Madigan and others ("Lancet," 1949, 258 239-45) report the results of a study of the pharmacological and antibacteria effects of P.A.S. in animals and man. The first observed effect is a dilatation of the vessels of the periphery. Within 48-72 hours the patient experiences a marked feeling of benefit and where temperature is high there is a marked fall. Of sixtyfour patients reviewed, thirty-two had nausea and twenty-two had nausea with diarrhœa and vomiting-symptoms that were not controlled by alkalis but appeared relieved by 10-minim doses of tincture of belladonna. There were no serious toxic effects. The authors apply the term "detoxication" to the immediate effects of P.A.S.

Cryogenine as Antipyretic. — Recollection of an earlier use of cryogenine (phenyl semicarbazide, C₆H₅NH.NH.CONH₂) as an antipyretic, prompted Bourne ("Lancet," 1949, 257, 1126-28) to make use of it in treating lymphatic leucæmia. The effect was striking, reducing the temperature to normal, where it remained for several weeks, with great benefit to the patient's general condition. A small dose was sufficient. The author comments: "The effect continues for a much longer time than can be explained on general principles by a continued action of the cryogenine." He recommends its use in cases where "nervous fever" is suspected, but enters a caveat that the "rather dangerous diagnosis of nervous fever should only be made after a full examination," and in control the fever of some of the reticulocytoses where the raised temperature occurs apparently as part of the clinical picture "irrespective of any intercurrent infection."

TO NEW MEDICAMENTS

nformation about new proprietary medicaments to be supplied principally on prescripons. Editorial recommendation is not implied. Reprints obtainable on application.

PENICILLIN DENTAL CREAM, ANHYDROUS

ANUFACTURER: Boots Pure Drug Co., Ltd., Station Street, Nottingham,

ESCRIPTION: An anhydrous cream for dental use, containing 5,000 international units of penicillin (calcium salt), B.P. per gm.

DICATIONS: Infected dental cysts and wisdom teeth, apicectomies, alveolectomies and post-operative tears of the gums. Particularly where nerve trunks are exposed.

ow Supplied: Tube containing gr. 60.

PENICILLIN GELATROS

ANUFACTURER: Gade Laboratories, Ltd., 94 Rickmansworth Road, Watford, Herts.

ESCRIPTION: Gelatin-base pastilles each containing 500 units of penicillin (sodium salt). DICATIONS: Infections of the mouth and throat caused by penicillin-sensitive organisms;

streptococcal tonsillitis; acute ulcerative gingivo-stomatitis (Vincent's type); posttonsillectomy; dental conditions, etc.

OSAGE: One pastille should be placed in the buccal sulcus and allowed to dissolve. ow Supplied: Vial of twelve pastilles.

CYTAMEN

ANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

ESCRIPTION: An injection solution of a vitamin B₁₂ concentrate. DICATIONS: Pernicious anæmia, macrocytic anæmias of sprue and pregnancy.

OSAGE: Pernicious anæmia, 2 c.c. of the injection (see below), followed by 1 c.c. weekly. Maintenance therapy, I c.c. fortnightly. If subacute combined degeneration is present, I c.c. daily until maximum neurological improvement is obtained. Other conditions, as directed.

ow Supplied: 1 c.c. ampoules each containing 20 µgm, equivalent of vitamin B₁₂, in boxes of six.

OTES: The preparation is made by a deep fermentation process, using species of Streptom vces.

TROMEXAN

IPPLIERS: Pharmaceutical Laboratories Geigy, Ltd., National Buildings, Parsonage, Manchester, 3.

ESCRIPTION: Bis-3,3'-(4-oxycoumarinyl)-ethyl acetate

NDICATIONS: As an anticoagulant in the prophylaxis and treatment of vascular thrombosis. Contraindicated in hæmorrhagic conditions, severe hepatic disturbances and renal disease.

OSAGE: Sufficient to produce a reduction in the prothrombin level of the blood to 10-30 per cent. Usually four tablets ОН ОН COOC₂H₅ 0

(see below) on the first day, three on the second day, and one or two on subsequent days.

EFERENCE IN MEDICAL PRESS: Burt, Wright and Kubik, "British Medical Journal," 1949, 1250.

ow Supplied: Tablets each containing 0.3 gm. in packs of ten and 100. .

OTES: The compound is sometimes referred to as BOEA.

C. & D. RETAIL & DISPENSING PRICE LIST

The following changes, which occurred during February, should be noted. The drug index for the month was 185.2.

muex re	of the month was re	35.7	٠.				
_		Selling					
Cost	Item	price					
	Item	_	V7. 1			7 6	1
d. per	-	40			d.	IC	
	D. 1	s.	<u>u.</u>	_		s.	
34 oz.	Balsam, tolut	-	-	5	0	0	9
15 10.	Calx chlorinata		0		. 1		
-0.11-	1/10 lb.	0	8	0	$2\frac{1}{2}$		-
	Cera alb. in massa	2	10	0	10	0	2
90 10.	Cera alb. in		_	_		_	_
me lb	placentis Cera flav. exot. in	3	3	0	ΙΙ	0	2
/5 10.		_	_	_	0	0	₇ 1
45 lb	massa	2 I	9	0	9	0	12
	Conspersus acid.	1	7	U	U	U	1
2/10.	salicyl. co	I	o	0	$3\frac{1}{2}$		_
26 lb	Conspersus talc.	1	U	0	32		
20 10.	boric	ı	o	o	$3\frac{1}{2}$		_
25 lb	Conspersus zinc.	1	0	0	32		
45 IO.	oxid. et amyli co.	0	ΙI	0	3	_	_
22 lb.	Cupri sulphas	I	2	0	4		_
50 dr.	Ext. ergotæ, B.P.C.	i	er	0	2	7	4
Jo 411	S.1.(5)	g		ľ	_	/	4
450 lb.	Ext. ergotæ liq.	0	••				
13	S.1.(5)	16	0	4	3	0	8
540 lb.	Ext. ergotæ liq.,	-		1	J		_
51.	B.P. '14 S.1.(5)		_	-5	6	0	10
84 oz.	Ext. hydrastis liq.,			٦			
•	B.P.C	_	_	-	_	2	0
45 oz.	Ext. rhei pulvis	-		6	9	I	0
	Ext. rhei liq.,				_		
	B.P.C	-	_	3	0	0	5
25 lb.	Fœnum græcum			-			
	pulv	0	II	0	3	-	
44 oz.	Hydrarg. oxy-			_			
	cyanid. S.1.(4)	-		6	7	I	0
22 lb.	Liq. calcii hydrox.						٠.
.,	sacch., B.P.C.	0	ΙI	0	3	-	-
72 lb.							
11	syrup	2	7	0	9	0	Ιż
	Methylis salicylas	I	ΙI	0	7	0	I
	Ol. anisi	-	_	2	ΙI	0	5
10 oz.	Ol. citronellæ	١.					
rao lh	Ceylon	-		2	4	0	4
	Ol. eucalypti Pasta bismuth.	4	3	I	2	0	2
32 02.	subnit. et iodo-						
	form	1 _	_	4	8	0	8
26 lb	Potass. chloridum	I	0		$3\frac{1}{2}$		_ `
	Sulphur lotum	1 1	0	"	32		
30 10	3/9 lb.	I	1	0	4	_	_
96 lb.	Tinct. jalapæ co.,		•		1		
3	B.P.C. '34		2	0	11	0	2
190 lb.	Tinct. opii D.D.	6	3	I	10	ì	31/2
	Troch. kram. et						02
	cocain. D.D.		7	1	3	0	21

96 lb. Ulmi fulva	e pulv.	3	51	0	II	0
48 lb. Ung. capsi	ici	I	9	0	6	0
75 oz. Ung. coca B.P.C.			-	10	9	I

TABLETS						
Cost	Item	Selling Price				
d. per		25 s. d.	s.			
72 1000	Ascorbic acid					
192 1000	5 mgm. Ascorbic acid	1 3 1 9	(for			
336 1000	25 mgm. Ascorbic acid					
	50 mgm.	1 6 (for 20	5			
136 100	Ascorbic acid					
	200 mgm.	5 0				

INJECTIONS

					_		
		Se	11-			Se	
Item	Cost	ing doz.		Cost		in	
TCIII ,	1 doz			doz.	-	do	
	d.	s.		d.		s.	
Ascorbic acid			_		-		
100 mgm.	40	5	o			_	
Ascorbic acid	_	"					
500 mgm.	36	4	6				
	for 3	for	3				
Bismuthi, B.P.,							
ı mil	56	7	0	108	I	3	
Lobelin. hydrochlor.							
gr. 3/20 S.1.(4)	192	24	0			-	
Magnes sulphat.	20		o	60		7	
50%, 2 mil Normal saline, B.P.,	32	4	U	. 00		1	
50 mil	30	3	9	each			
Normal saline, B.P.,	30	3	9	Caci			
100 mil	36	4.	6	each			
Phenol in oil, 5%,	. 3.	1					
ı mil	26	3	3	48		6	
Phenol in oil, 5%,			-				
2 mil	32	4	0	60		7	
Quinin. et urethan.,				00		0	
B.P., 2 mil	36	4	6	68		8	
Quinin. dihydro-	-6	_		-6		_	
chlor., gr. 5	36	5	0	76		9	
Sodii morrhuat., 5% 2 mil	42	5	3	80	,	0	
Sodii morrhuat., 5%	42)	၁	00	•	΄.	
5 mil	60	7	6	114	6	1012	
Theophyllin. et	, ,	l ′			1		
æthylenediamin.				-			
0.25 gm. in 10 mils.	~66	8	3	126	ī	5	

CORRESPONDENCE

hemical Industry Report Protest

Sir,—I am instructed by my Council refer to the "Report on the Chemical dustry 1949" prepared by the Associan of British Chemical Manufacturers at request of the President of the Board Trade, and to register a strong protest ainst the statements embodied in Chapita, one of which reads:—

'There is thus little room in the home market or ordinary merchant selling, and in fact merhants occupy a small place in the industry."

is statement is not only misleading and accurate, but is without foundation, since is a well-established fact that merchants ve played, and continue to play, an imtant part in the development of markets the chemical industry both at home d abroad. It is to be deplored that my sociation was not consulted before statents detrimental to the British chemical de in general, and chemical merchants particular, were published.

Yours faithfully, F. G. W. Paice, Secretary, British Chemical & Dyestuffs Traders' Association.

London, E.C.3.

[The statement was not included in the nmarised report published in these lumns.—Editor.]

Territorial Representation

SIR,—It is gratifying to see amongst the olutions for the Branch Representatives' eting the hardy old biennial "Terriial Representation." I trust that the o branches putting forward resolutions this subject will have more support in the subject has received on previous casions. It is undeniable that the larger anches decide the successful candidates. en by coalescing into regional groups smaller branches cannot muster ough support to elect a member. In the t-changing world of today, it is necesy more than ever for representatives of ctorates to have direct contacts. The eatest defect in our pharmaceutical elecal system is apathy, mainly resulting m the fact that a new candidate is not own and is, indeed, hardly ever likely become so. Now that the Council incon the limitation of candidates' opaganda, regional representation should the corollary. To most, the present tem is no more than a gamble reminiscent of the old spinster's Derby winning system: sticking a pin in the list of names. Why not give territorial representation a trial for a few years? Even our Parliamentary system is regional. We can always contact our M.P. in case of need, but who is our member in pharmacy? One thing I can say—the West Country is ripe for territorial representation.

ONEN HA OL.

Alphabetical List of Proprietaries

Sir,—The report of the Joint Pricing Committee for England (C. & D., February 25, p. 242) refers to increased prescribing of proprietary preparations under N.H.S., and to the difficulty that faces the pricing staffs of the bureaux in ascertaining quickly the prices of many of the products prescribed. The report states that the prices "have to be obtained either from the makers' lists or from a wholesale list, where such preparations are usually listed under the maker's name. In either case, the pricer has to be familiar with the maker's name before she can find the This can only be learnt through long experience and makes it difficult to increase quickly the number of staff capable of dealing with this class of prescription." I note that a comprehensive list of proprietary preparations in alphabetical order has been compiled and that it is proposed to issue this to bureaux in cardindex form "if the initial expenditure, which is somewhat high, receives official approval." Pending the circulation of such a comprehensive list, pricing bureaux might find the "alphabetical list of proprietary articles named and priced in the P.A.T.A. protected list" of at least limited service in meeting their difficulties. This alphabetical list (a section of the Association's protected list and year-book) contains a large number of (but by no means all) proprietary preparations which are prescribed, and against each entry are the maker's name and a reference to the page in the protected list on which the trade and retail price of the product appear.
The P.A.T.A. will be pleased to supply any pricing bureau interested (as, on request, it has already supplied some) with a copy of the current protected list in which this alphabetical list of proprietaries is included.

H. E. CHAPMAN, London, W.C.1. (Secretary, P.A.T.A.).

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quarties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

28 Essex Street, W.C.2, Mar. 8

Principal feature in the Pharmaceutical and FINE CHEMICALS market has been an advance in EPHEDRINE; prices of the alkaloid have risen by 1s. 6d. per oz. and of the hydrochloride and sulphate by 1s. per oz. Makers' costs of raw material have risen in recent weeks. Home-trade buying of fine chemicals has been brisk and exports continue on a satisfactory level. Mandelic acid has been in better request. Sulphanilamide is moving well. A good demand is reported for METHYL SALICYLATE and SALICYLIC ACID; deliveries of the latter product, however, have been held up as a result of a temporary short-age. The CRUPE DRUGS market, generally, is steady with few price movements. IPECACUANHA is quiet, Nicaraguan at origin is reported slightly easier. Anatolian LIQUORICE ROOT is tending firmer. SENEGA remains quiet; quotations from origin are down sixpence per lb. Following the brisk spot demand for Senna leaves, values of Tinnevelly grades have increased reflecting to some extent the high prices asked by India; stocks of No. 3 leaves on the spot are low. Although lower prices have been poid; in reconstructions. prices have been paid in recent weeks for HONEY it is evident from reports from abroad that new crops are likely to be below average. Prices of Zanzibar and Madagascar CLOVES have risen and the Madagascar Cloves have risen and the market is tending firmer. GINGER is easier. MENTHOL continues quiet and the forward market for Brazilian is easier. Business in Essential Oils has been slow and prices are little changed on the week. Geranium is firmer. Supplies of Mysore Sandalwood on the spot are difficult to find. Lemongrass is easier forward. In consequence of Ministry of Food incresases (p. 323) in prices of certain Unrefined OILS, the pharmaceutical quality of CASTOR OIL is dearer by £17 per ton.

U.S. Drug and Chemical Report New York, March 3

Substantial reductions have been announced in the prices of a number of alkaloids, including Atropine alkaloid which has been cut by \$2 per oz., making the new price range from \$10.50 to \$11.50 per oz.; the Sulphate is down by \$2.25 per oz. (at \$6.75 to \$7.25). Eserine salicylate is \$14 per oz. cheaper at \$36 to \$40. Prices of Sparteine sulphate are 15 cents lower at from \$0.85 to \$1.25 per oz. Trade circles think that Penicillin prices will remain stable for at least two months, despite recent reports of a further weakening tendency. In the Crude Drugs market, consumers are purchasing for immediate requirements and importers,

in view of this policy, are becoming creasingly cautious in their purchas BUCHU is cheaper as a result of new-cinfluences; quotations are at 58 cents 1 lb., against 60 cents a week ago. A smincrease in demand was reported ESSENTIAL OILS following the onset colder weather. Italian LEMON is deat on the spot at \$2.75 reflecting firmer conditions at origin. Most French and I union oils display considerable streng A smaller demand for ANISE has be responsible for a decline in spot quotatic of five cents (to \$1.30 per lb.).

Pharmaceutical Chemicals

ACETONE. — Prices are unchang Makers' contract rates per ton are as f lows:—In 40/50 gall, drums: Less th 1 ton, £70; 1 ton, £69; 10 tons to 50 to £68; 50 tons and over, £67. Smal quantities are quoted at £90 per ton 5-gall, and £85 per ton in 10-gall, drumstrums.

Atropine.—Steady. Makers' rates 1 oz. are: Alkaloid, 41s. 3d.; 4 of 40s. 9d.; 25 oz., 40s. 3d. Sulpha' 32s. 9d.; 4 oz., 32s. 3d.; 25 oz., 31s. 9d

CREAM OF TARTAR. — Makers' rates the home trade are: 10-cwt, lots, 14 per.cwt.; 5-10 cwt., 149s.; less than 5 cv and more than 2 cwt., 150s.; 1-2 cw 152s., delivered.

CREOSOTE.—B.P. quality, ex beechwood is quoted at from 6s. 9d. to 7s. 6d. per

Cyclobarbitone. — Makers' prices a from 165s, to 185s, per kilo. The Calcul derivative is available at the same pric

Dentrose.—Basic rates for the hotrade are unchanged, Monohydrate, B.J quantities of 1 ton and upwards, Is. Ib.; 10-cwt., 1s. 1d.; 1-cwt. and less than 5-cwt. 1s. 1½d.; less than 1-cwt., 1s. 2½d.; clivered. Anhydrous, B.P., quantities of ton and upwards, Is. 0½d. per lb.; 10 cvt on 1-ton, 1s. 1½d.; 5-cwt. to 10-cwt. 1s. 1½d.; 1-cwt. and less than 5-cwt. 1s. 2½d.; less than 1-cwt., 1s. 4d.

EPHEDRINE. — Makers have annound increases, with effect from March 6. N advanced rates per oz. are as follows; Alkaloid: 1 oz., 13s. 3d.; 16 oz., 13: 25 oz., 12s. 9d.; 50 oz., 12s. 6d.; 100 ot 12s. 3d. Hydrochloride and Sulphat 1 oz., 9s. 3d.; 16 oz., 9s.; 25 oz., 8s. 9c 50 oz., 8s. 6d.; 100 oz., 8s. 3d. Assort contracts may be booked for quantities not less than 100 oz. over six month Containers: 50-oz. or more, free; 50-lots carriage paid.

ICHTHAMMOL.—In drums, quotations a from 3s. 6d. to 3s. 9d. per lb.; in 7-lb. tiffrom 4s. 3d.; and in 1-lb. tins from 4s. 6 to 5s. per lb.

IODINE PREPARATIONS. -- Home trade ces are as follows :- RESUBLIMED IODINE. ces are as follows: — HESCHARD FOLKE, P.—1-cwt, lots, 18s. (28-lb, containers); 1d. (14-lb.); 18s. 1½d. (7-lb.); 2½d. (4-lb.); 18s. 3d. (2-lb.); 18s. 4d. (1-lb.); smaller quantities are eduled up to 22s. 2½d. per lb. in. (1-ib.); smaller quantities are included up to 22s. 2½d. per lb. rassium iodide, B.P. — 1-cwt, lots, 5d. (28-lb, containers); 15s. 6d. (14-); 15s. 6½d. (7-lb.); 15s. 7½d. (4-lb.); 8d. (2-lb.); 15s. 9d. (1-lb.); smaller inities, up to 18s. 11½d. per lb. dilled in 11½d. (14-lb.); 10½d. (7-lb.); 16s. 11½d. (4-lb.); 10½d. (7-lb.); 16s. 11½d. (4-lb.); (21b.); 17s. 1d. (14-lb.); smaller quantes, up to 21s. 10½d. per lb. Iodoform yder, B.P.—1-cwt, lots, 21s. (28-lb. conners); 21s. 1d. (14-lb.); 21s. 1½d. (lb.); 21s. 2½d. (4-lb.); smaller quantities, up to 10½d, per lb. Iodoform crystal is per lb. more than powder. Containers urged, excepting 28-lb, tins which are some for quantities of 5 cwt., in one wed for quantities of 5 cwt., in one ivery or on contract (three months). rriage paid in Great Britain, Northern land and Eire (duty for buyer's ac-

DXALIC ACID.—In 4-ton lots, prices are 0 10s. per ton in casks and £134 10s. kegs; contracts, £128 and £132 per ton, pectively. 2 tons and less than 4 tons, per ton more; 1 ton, £2; 10 cwt., £7; wt. and under, £12 more than the fore-

PARALDEHYDE.—Rates for B.P. material as follows: 5 carboys, 1s. 6d. per lb carboy, 1s. 7d.; in winchesters, from 8½d. to 2s. 0½d. per lb.

Bod. to 28, v29, P. Steady. Makers' rates lb. are as follows:—Sodium, B.P., 1, 6d.; 28 lb., 7½d. Sodium acid, B.P., stals, 1 cwt., 1s. 9d.; 28 lb., 2s. cassium, granular, 4s. 2d.; powder, 18, 2d.; powder, 2d.; TASSIUM, granular, 4s. 2d.; powder, 5d. (for 7-lb. lots). AMMONIUM, B.P.C., wt., 2s. 6d.; 28 lb., 2s. 10d. PHOSPHORIC D, B.P. (concentrated), is from 1s. 2d. 1s. 3½d. in carboys and from 1s. 5½d. to 9½d. per lb. in winchesters.

POTASSIUM ACETATE, B.P.—Fine granuis 2s. $1\frac{1}{2}$ d, per lb. in 1-cwt. lots.

POTASSIUM ANTIMONYLTARTRATE. — Quo-ions are in the region of 7s. 10d. to 8s. lb. The Sodium salt is available at ut 9s. per lb. for small quantities, rimonious oxide, B.P.C., is 6s. per lb. Santonin.—Current rates per kilo are: ilo lots, £64; 500-gm., £65; 250-gm., ; 100-gm., £67; smaller quantities, £68. pplies continue short.

SILVER SALTS. — Steady. NITRATE in foz. lots is quoted at 3s, 5 to d. per oz. TEIN, B.P. (8 per cent.), in 14-lb, tins, 86s. 3d. per lb. VITELLIN, B.P.C., 20 per t., is 66s. per lb. (14-lb.); 30 per cent., . per lb.

Crude Drugs

AGAR.—Kobé No. 1, to come forward, is quoted at 10s, to 10s, 6d., landed, duty paid; for shipment, 8s. to 8s. 3d., c.i.f., indicated. Spot, 12s. 6d. to 14s., duty paid.

Aloes.—Cape is offered at from 115s, to 117s. 6d. per cwt., spot. Curação is quoted at from 220s. to 225s. per cwt., spot; forward, 215s., c.i.f.

Asafetida.—Persian block on spot is offering at prices from £14 10s. to £24 per cwt., as to grade.

Balsams.—Canada on the spot is firm at 18s. per lb. Pará Copaiba on the spot is 8s. per lb., duty paid; 7s. 6d. in bond. San Salvador Peru is at from 6s. 6d. to 7s. per lb., duty paid. Tolu is quoted at from 19s. to 19s. 6d. per lb., spot; for shipment, 18s. 9d. to 19s., c.i.f., quoted.

Benzoin.—Sumatra block on the spot is quoted at from £18 5s. to £20 per cwt.

BISMUTH. — Basic rate for metal 14s. 6d. per lb., in minimum 5-cwt. lots. Basic rate for metal is

BLACK HAW, — Steady. Root bark is offering at 6s. per lb., duty paid, spot London; tree bark, 3s. 3d., duty paid.

Buchu.—Quiet. Short rounds are quoted at 3s. 3d. per lb., on the spot; new-crop for shipment, 3s. 1d., c.i.f. Ovals are quoted at 3s. per lb., spot.

CAMPHOR. — Chinese tablets are quoted at from 5s. 6d. to 6s. per lb, for \(\frac{1}{4}\)-oz. and from 5s. 3d. for \(\frac{1}{2}\)-oz.; 2\(\frac{1}{2}\)-lb. slabs are from 5s. to 5s. 3d. per lb.; all duty paid, spot London. Refined powder (B.P.) is offered at from 4s. 6d. to 5s., duty paid; and B.B. grade from 4s. per lb., duty paid; spot. B.P. powder, afloat, is quoted at from 3s. 6d. to 3s. 9d., landed, duty paid.

CAPSICUMS. — African on spot is 150s.

Capsicums. — African on spot is 150s. to 180s, per cwt., as to quality.

CARDAMOMS.—Green Aleppy on the spot, offered at 18s. per lb.; split Aleppy seeds,

23s., spot. Cascara Sagrada.—Quotations for 1949 peel are at from 285s. per cwt., duty paid, spot; forward, 257s. 6d., c.i.f., quoted.

Cascarilla. — Quills on the spot are 1s. 3d. per lb.; siftings are offering at 1s. per lb. A quiet market.

CHAMOMILE FLOWERS. — Belgian on the spot are from 3s. 1d. to 3s. 9d. per lb., duty paid, as to quality.

Chillies.—Mombasa on the spot quoted at 300s. per cwt.

CINCHONA. — Congo succirubra bark (T.A., 5.59; S.Q., 2.39; cinchonidine, 0.97 per cent.) is quoted at 1s. 10d. per lb., spot. A parcel of Java ledgeriana (T.A., 8.61; S.Q., 6.93; cinchonidine, 0.92 per cent.) is offered at 2s. 4d. per lb., spot. Tanganyika hybrid (T.A., 5.88; S.Q., 6.95; cinchonidine, 0.57 per cent.) S.Q., 2.95; cinchonidine, 0.57 per cent.) is 1s. 5d. per lb., spot. Supplies of Peruvian Loxa-type, to come forward, are quoted at 1s, 3d, per lb,

CLOVES.—Firmer. Zanzibar is quoted at from 1s. 7d. to 1s. 7½d. per lb., spot; March-April shipment, 1s. 8d., c.i.f. Madagascar is quoted at 1s. 6½d. per lb., in hond.

Cop-Liver oil.—45-gall, drums of B.P. quality are quoted at £26 5s. (11s. per gall, plus 30s. for returnable drums) and 25-gall, drums at £14 15s. (11s. plus 20s.); 5-gall, drums are £3 (12s. per gall., drums included and not returnable).

DIGITALIS. — English leaves from 2s. 3d. per lb.; powder, B.P., 5s. 9d.

Ergor.—Russian is quoted at 25s. per lb., spot; Hungarian, 23s. 6d. per lb.; Portuguese from origin is quoted at 31s. 6d., c.i.f.

ELEMI. — Manilla No. 1 is quoted at 1s. 9d. per lb., on the spot.

GAMBOGE.—Siam pipe is offered at £40 per cwt., duty paid; powder, 11s. per lb.

GENTIAN.—French natural on the spot is quoted at 72s. 6d. per cwt.

GINGER.—Easier. African on the spot is 335s. per cwt.; March-April shipment, 225s., c.i.f., quoted. Jamaican, No. 3, is offered at 360s. per cwt.; March-April shipment, 315s., c.i.f.

GUAIACUM RESIN.—Steady. A parcel on the spot is offered at 3s. 6d. per lb.

Gum acacia.—A steady market. Kordofan cleaned sorts on the spot, offered at 87s. per cwt., spot London or Liverpool; February-March shipment, 81s., c.i.f. Bleached gum, 145s., spot. Talha is 50s. per cwt., on spot; shipment, 48s., c.i.f.

Honey. — Prices for manufacturing grades are as follows:—1-cwt., 90s.; 5-cwt., 86s.; 10-cwt., 83s.; 1-ton, 80s. per cwt., carriage paid in U.K., packed in 60-lb. drums. Prices of refined honey are unchanged: In 56-lb. tins, 100s.; 28-lb., 115s.; cases of four 7-lb., 130s., carriage paid.

IPECACUANHA. — The market continues quiet. Nicaraguan on the spot is offered at from 42s. to 42s. 6d. per lb.; April-May shipment, 37s., c.i.f. Colombian is quoted at 35s. per lb., spot; forward, 30s., c.i.f. Minas, afloat, 40s. per lb., c.i.f.

Jalap.—Mexican root on the spot is offering at from 3s. 9d. to 4s. 3d. per lb., according to test.

KAMALA.—Supplies to come forward are quoted at 3s, 3d, per lb., landed. Firmer.

Karaya. — Selected is offered at 290s. per cwt., spot; No. 1, 255s.; No. 2, 215s.; No. 3, 180s.

LIQUORICE.—Anatolian natural root on the spot is quoted at from 50s, to 53s, 6d, per cwt. Turkish block juice is quoted at from 160s, to 230s, duty paid, according to holder; Turkish stick is from 300s, duty paid, Italian stick is from 285s, to 475s, per cwt., duty paid, for druggists' grades,

MACE. — West Indian blade is offere at 6s. 3d. per lb. on the spot; pickings at from 2s. to 5s., as to quality.

Malt extract.—B.P. quality is quote at 86s. per cwt. in 1-cwt. or 56-lb. returnable drums; with Cod-Liver oil (1 per cent. v/v.) the price is 99s. 6d. pecwt.; carriage paid.

MENTHOL.—Brazil is quoted at from 85 to 86s. per lb., spot, duty paid; in bone 82s. 6d.; April-May shipment, 67s., c.i.f quoted. Chinese, March-April shipmen 82s. 6d. per lb., c.i.f.

MERCURY.—A firmer market. Spot que tations are from £18 10s. to £19 per flas ex warehouse; forward, £18 11s. 6d., c.i.

PIMENTO.—Demand is small. Spot offer are at 1s. 6d. per lb.; for shipmen 168s. 6d., c.i.f., quoted.

QUILLAIA.—A parcel of natural bark t come forward is quoted at 145s, per cwt landed, ex wharf London.

SARSAPARILLA.—There has been a fall inquiry for Jamaican native red on the spot, and it is now quoted at 2s. 3d. pc lb.; the forward market is reported firme

SEEDS.—During the past week deman has been poor, although prices have bee maintained. Anise.—Turkish, 155s. pe cwt., in bond, and 165s. per cwt., dut paid; Egyptian, 150s. per cwt., in bond all spot London. Caraway.—Dutch o spot is 122s. 6d. per cwt., duty paid (ELLERY,—Indian on spot is unchanged \$1s. 11d. per lb.; forward, a little easie at 195s, per cwt., c.i.f. French is 250 per cwt., duty paid, in London. Corian Der.—A little business reported in Moocco at 110s. per cwt., duty paid; 105 per cwt., quoted in bond; for shipmen 105s, per cwt., c.i.f. quoted. Cumin.—Morocco on spot is 160s, per cwt., in bond and 175s. per cwt., duty paid. Indian 155s, per cwt., spot London or Liverpoo Dill. — Sellers on spot of Indian a 62s. 6d. per cwt.; for shipmen 67s. 6d. per cwt.; for shipmen 67s. 6d. per cwt., c.i.f. FENNEL.—Indian on snot, of fered at 75s. per cwt., in Liverpoo Indian, spot London, is 62s. 6d. per cwt.

SENEGA.—Quiet. Spot quotations are 2 10s. 9d. per lb.; for shipment, 10s. 6d c.i.f., quoted.

SENNA.—A good demand for Tinnevell No. 3 leaves, stocks of which are low, an the spot market is firmer, with replacemer prices higher: No. 1, from 9½d, to 11c per lb., spot; No. 2, 7½d, to 8½d, spot and 8¼d., c.i.f., indicated for shipment. No. 3, 6¾d, to 7d., spot, and 7¼d., c.i.f. No. 4, 5¾d, spot. Tinnevelly pods ar unchanged: Hand-picked, 8½d, to 11¼ per lb., spot; manufacturing 5¾d, to 6d Alexandrian pods, medium grades, from 2s. 6d, to 3s. per lb., spot; manufacturing 8d., spot.

SHELLAC. — Easier. F.O.T.N., pure, is 5s. per cwt., spot; F.O. Standard 1, 5s.; fine orange, 335s. to 380s.

TRAGACANTH.—White ribbon is scarce the spot and the market is firmer; ected is now quoted at £130 per cwt.; 1, £120; No. 2, £110; No. 3, £100; . 4, £65.

WAXES.—Dar-es-Salaam BEES' is offered 400s, per cwt., spot, and 380s., c.i.f., c. March-April shipment. There are no ers of Benguela on the spot; for shipment, 335s., c.i.f., quoted. Abyssinian, 370s. r. cwt., spot, duty paid; shipment, 335s., f. Madagascar No. 2 is quoted at 345s. r. cwt., duty paid (in bond, 315s.); shipment, 310s., c.i.f. CANDELILLA.—Spot otations are at 435s. per cwt.; April livery, 430s. CARNAUBA.—Prime vellow Waxes.—Dar-es-Salaam Bees' is offered otations are at 450s. per cwt.; Aprilivery, 430s. Carnauba.—Prime yellow, 18s. per cwt., spot; forward, 885s., c.i.f. uty grey, 660s. per cwt.; forward, 640s., f. Montan.—Easier. Reibeck is quoted 160s. per cwt., spot; for shipment, 145s., f. Ouricuri.—Steady. 0.5 per cent, purities, 660s. per cwt., spot; 1.5 per tt., 650s., spot; 3.5 per cent., 640s., spot.

Expressed and Essential Oils

ANISE.—Continues quiet. Spot quotans are from 11s. 3d. per lb. for drums; shipment, 11s., c.i.f.

BIRCH TAR.—Crude is offered at 6s. per spot London.

Bois de Rose.—Quotations are from 24s. 27s. 6d. per lb.; forward, 22s. 6d., c.i.f. CADE.—Spanish oil, B.P., on the spot, offered at from 3s. to 4s. per lb. CANANGA.—Java is offered at 28s. 6d. r lb., spot, for small quantities.

CITRONELLA.—Spot quotations are in the cion of 8s. 6d. to 9s. per lb.; February-arch shipment, 8s., c.i.f. Java is offered

from 22s. 6d. per lb., spot.

CLOVE. — English-distilled bud oil is ered at from 13s. 9d. to 14s. 6d. per lb., cording to quantity; Madagascar is nonal at from 8s. 9d. per lb. and Zanzibar m 9s. 3d., spot.

Cubebs.—Steady. Supplies of Englishstilled offered at from 50s. to 55s. per lb. ported is quoted at from 52s. to 55s.

r lb. Dul.—English-distilled oil is quoted at m 57s. per lb. for B.P. quality. Indian offered at 18s. 6d. per lb., spot. Dutch from 54s. 6d. to 57s. 6d., landed, duty id; 49s. per lb., c.i.f.

EUCALYPTUS. — Steady. 70-75 per cent. P.P.) is from 5s. 3d. to 5s. 6d. per lb., ot; 80-85 per cent., 5s. 6d. to 6s. per

RANIUM.—Bourbon on the spot is quo-i at 125s. per lb. A firm market.

GUAIACWOOD.—Steady. Quotations are om 16s. to 18s. per lb., duty paid.

LAVENDER.—French, 38-40 per cent., on spot is offered at from 21s. to 24s. per lb.; 40-42 per cent., 22s. to 25s. Spanish spike is 9s. to 9s. 6d. per lb., spot.

LEMON. — Sicilian hand-pressed, 4 per cent. citral, on the spot is quoted at 24s. per lb.; for shipment, 23s. to 24s., c.i.f. 3½ per cent. is offered at from 21s. 6d. to 22s. 6d. per lb., spot.

LEMONGRASS.—Quiet. Spot quotations are from 15s. 6d. per lb.; March-April shipment, 14s. 5d., c.i.f.

LIME.—West Indian on spot is offered

at from 49s, to 51s, per lb.

Peppermint. — Chinese (dementholated M. arvensis) is offered at from 45s. to 46s. per lb., spot; afloat, 42s.; March-April shipment, 40s., c.i.f. Italian M. piperita is quoted at 67s. 6d. per lb., spot.

Petitgrain.—Prices are in the region of

16s. per lb., spot London.

PIMENTO BERRY. — English-distilled oil, from 67s. 6d. to 70s. per lb. and upwards as to quantity.

Sandalwood.—Mysore is difficult to find on the spot; quotations are upwards from 6d. per lb.; English-distilled, 80s. per lb.

TEASEED.—Refined deodorised edible oil on the spot is quoted 23s. per gall., ex refinery; May delivery, 21s. 9d.

Unrefined Oils and Fats.—The Minister of Food has announced increased prices for the four-week period ending April 1 as follows:—LINSEED, £132 per ton; foots, £82. CASTOR, firsts, £115 per ton; foots, £82. Castor, firsts, £115 per ton; seconds, £108 per ton. Whale, No. 3 grade, £85 per ton; No. 4 grade, £75; Whale/Herring acid, £70; Whale acid, Hardened, £90; Sunflower/Whale acid, (Mixed), £70; naked, ex works. Prices of all other unrefined oils and fats and tachnical entired fats allegated to primary. technical animal fats allocated to primary wholesalers and large trade users are unchanged.

Refined Vegetable Oils.-Ministry of Food prices (per ton) of refined oils allocated to primary wholesalers and large trade users during the eight-week period ending April 22 are given in the following table

Prices are unchanged.

Oil	Grade	Price
Coconut	Refined deodorised	112
Coconut	Refined hardened	116
Palmkernel	Refined deodorised	112
Palmkernel	Hardened Coodorised	116
Cottonseed	Refined deodorised	114
Groundnut	Refined deodorised	114
Groundnut	Refined deodorised.	
	hardened to 40°	111
	hardened to 50 '52°	114
Palm	Refined deodorised	119
Palm	Hardened deodorised	118
70	11 11 11 11 11 11	

Rates for bulk supplies, naked, ex works.

TRADE MARKS

(From "The Trade Marks Journal," February 15)
For combs (21).—"REMPLOY" and device of oak tree; by Remploy, Ltd., London, S.W.1; 674,161. "ALICOM"; by Precision Equipment Co., Slough; 684,270,

For disinfectants (5).—"DIRK"; by Sunshine Bleach (Hillington), Ltd., Glasgow; 684,507.

(From "The Trade Marks Journal," February 22).

For photographic chemicals and sensitised materials (1).—"EKTALITH"; by Kodak, Ltd., London, W.C.2; 681,721.

For industrial, scientific, photographic, agricultural and horticultural chemicals (1).—" Derature"; by Guest Industrials, Ltd., London, E.C.3; 682.262.

For toilet preparations for the hair and scalp (3).—"R. H. PERRY, S. WILDGOOSE" (in distinctive lettering); by Perry & Wildgoose, Derby; 669,895.

For non-medicated toilet preparations (3).—
"REGENOL"; by Laboratoire Pearlac, Paris;
670,440. "BEACHCOMBER"; by Goya, Ltd., London, W.1; 684,555. "CHOODLER"; by M. E. and
W. H. Storey, Cambridge; 683,531.

For detergents (3).—" COLASAN"; by Colas Products, Ltd., London, W.C.2; 677,366. "LACKEY"; by Charles Mellor, Dukinfield; 683,622.

For tooth-paste (3).—"FAMA" (on label device); by N. V. Boometal, Hilversum; 671,640.

For all goods (3) and (5).—Device of pickaxe superimposed on flask; by Montecatini Societa Generale per L'Industria Mineraria E Chimica, Milan; 682,392.

For ear-drops (5).—"OTODONE"; by Doho Chemical Corporation, New York; 666,730.

For medicated confectionery (5).—"VITA-CRUNCH"; by Jasco, Ltd., London, W.C.2; B673.042.

For elixirs (5).—"CHARTREUSE" and "Peres CHARTREUX"; by Ordre des Chartreux, Isere; 677,556-58.

For pharmaceutical preparations (5).—"Glentona"; by Carter Bros., Shipley; B678,709.
"Brrintar"; by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1; 678,894. "BIDUPAN"; by Cavendish Chemical Co. (New York), Ltd., London, S.E.26; 682,439. "Therapas"; by Therapas, Ltd., Loughborough; 684,025. "Infansprin"; by Hough, Hoseason & Co., Ltd., Manchester; 684,556.

For adhesive dressings and plasters (5).—"PLASTIKON"; by Johnson & Johnson, New Brunswick; 679,929.

For fungicides (5).—"CUPROPAL"; by Pal Chemicals, Ltd., London, N.W.10; 680,426. "CUPROMOX" and "CUPROSANA"; by Hemingway & Co., Ltd., London, E.15; 684,120-22.

For insecticides (5).—"PALOTOX"; by Pal Chemicals, Ltd., London, N.W.10; 680,496.

For insecticides, fungicides and weed and vermindestroying preparations (5).—"TECNAZENE"; by Bayer Products, Ltd., London, W.C.2; 684,484.

For vermin-killing preparations (5).—"LITOGID by Samuel Courtney, Ltd., Belfast; 682,800.

For antiseptics and disinfectants (5).—"L GUARD" (on label device); by Lifeguard Produ Ltd., London, E.C.2; 681,693.

For medicated toilet paper (5).—" LIFEGUAF (on label device); by Lifeguard Products, L London, E.C.2; 681,692.

For scientific apparatus and instruments (9 "EUTHERME"; by Therma Fabrique d'Appar de Chauffage Electrique Société Anony. Schwanden; 678,878.

For hot-water bottles (21).—" Noah's Arr by The Cannon Rubber Manufacturers, L London, N.17; 682,220.

For vacuum flasks (21).—" PIC-PAC"; Marris's, Ltd., Birmingham; B682,986.

(From the "Trade Marks Journal," March i For non-medicated mouth-washes (3).—"LE SAN"; by Citrus Products Co., Ltd., Wemb 664,572.

For non-medicated toilet preparations (3 "DALLENAY"; by Société à Responsabilité Lim Dallenay, Paris; 668,718. "Fountain" and devo f fountain; by Fontaine (Perfumes), Ltd., Ca Bromwich; 679,483. "Gullty"; by R. Demu Ltd., London, N.W.6; 683,517.

For all goods (3).—"FLUADASE"; by Edw Fison, Ltd., Ipswich; B679,861. "TRUE LOVE by Cavalcade Beauty Preparations, Ltd., Lond S.W.1; B685,044.

For stocking-washing powders (3).—"Repetal"; by Rosepetal Production Co., Lond S.W.15; 680,856.

For pharmaceutical preparations (5).—"PEN KAPS" "Nortsodrine"; by Abbott Laborator North Chicago; B672,299,684,208. "MEDCAM by Charles Arthur Medland, Carsharlton; 681,4" DIODOPELL"; by Brady & Martin, Ltd., N castle; 682,397.

For medicated mouth-washes (5).—"LEMOSAN by Citrus Products Co., Ltd., Wembley; 664,5 For pharmaceutical, sanitary and disinfect substances (5).—"PROTAT"; by Hofels' Cura

Foods, Ltd., London, W.C.1; 677,534.

For all goods excluding pharmaceutical prepations for veterinary use (5).—"BENOMYN"; by British Drug Houses, Ltd., London, N.1; 679,2

For weed- and vermin-killing preparations (5) "BISOLITE"; by British Industrial Solvents, L London, S.W.1; 681,260.

For medicated toilet paper (5).—"STER-O-PINE by the Portell Distribution Co., Manches 683,422.

For all goods (5),—"CLEENICOL"; by Clini Products, Ltd., Richmond; 684,371. "ASCABIOL by May & Baker, Ltd., Dagenham; 684,420.

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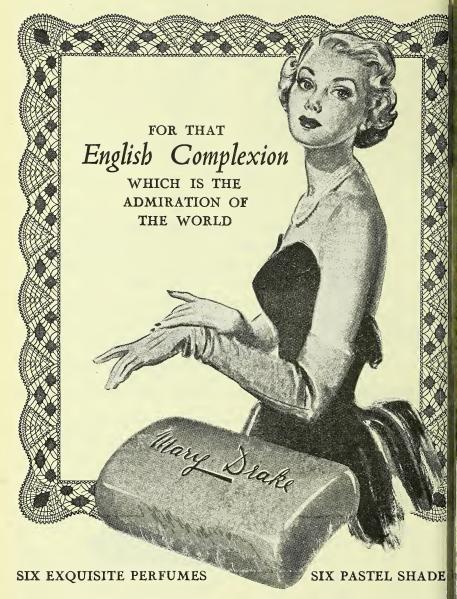




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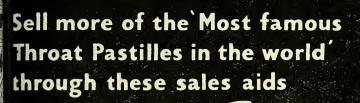


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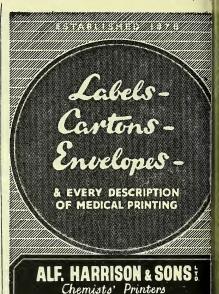
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Yes, millions of women have proved for themselves the brilliant results they get with Brylfoam, the original cream shampoo. They know that Brylfoam reveals the true beauty of their hair and makes it radiantly clean; they know, too, that Brylfoam is so beautifully easy to use. That's

why Brylfoam means ready sales and quick profits for you. Get your share of the brisk business Brylfoam brings. Help our bigger-than-ever advertising to do an even bigger job by linking up with window and counter displays. Keep up your stocks of Brylfoam—and keep up your profits!

THE ORIGINAL CREAM SHAMPOO



NEW PRODUCT INFORMATION

TRADE

'DISTAQUAINE' G

BRAND

Composition: crystalline penicillin G procaine plus a suspending agent.

Packings and Prices: rubber-capped injection-type vials of 300,000 i.u. penicillin (1-dose) boxes of 5 vials, 20s. 0d. subject to discount.

Immediate supplies are available from our Distributors:

Allen & Hanburys Ltd.
British Drug Houses Ltd.
Burroughs Wellcome & Co.
Evans Medical Supplies Ltd.
Imperial Chemical (Pharmaceuticals) Ltd.
Pharmaceutical Specialities (May & Baker) Ltd.
or from your usual wholesaler.

NOTES: 'Distaquaine' G, which is issued as dry substance, is designed to form a suspension on the addition of sterile distilled water or other suitable aqueous vehicle. The formula contains neither oil nor wax. Preparation of the suspension is simple and convenient and may be carried out extemporaneously by the physician. A single dose (300,000 i.u. penicillin) gives a prolonged depot effect and normally maintains an effective blood level during 24 hours.

Manufactured by

THE

DISTILLERS COMPANY

(BIOCHEMICALS)

SPEKE

LIMITED

LIVERPOOL



TRADE BARBURAL MARK

The New Hypnotic - Sedative

'BARBURAL' Each Tablet contains Cyclobarbitone Calcium....gr. 1.

Bromvaletone B.P.C. gr. 4.

'BARBURAL' has the advantage of a very small Barbiturate dose

'BARBURAL' is indicated as a sedative and hypnotic in insomnia and nervous conditions

BARBURAL is a safe rapidly acting hypnotic with prolonged sedative effect

'BARBURAL' is issued in tins of 100 & 500 tablets.

Amber Pharmaceuticals Limited

Manufacturers of Fine Chemicals and Pharmaceutical Products

BYRON HOUSE, 7-9, ST. JAMES STREET, LONDON, S.W.1

HEWLETT'S ANTISEPTIC CREAM

THE CREAM WITH A USE IN EVERY HOUSEHOLD FOR PREVENTING AND TREATING NAPKIN RASH, OR FOR SORE HANDS, CUTS, ABRASIONS OR AS A SOOTHING APPLICATION FOR CHILBLAINS, ETC.

COST 18/- DOZ. + P.TAX.
BONUS TERMS.

RETAIL 2/3 + P.TAX.

33\frac{1}{3}\% PROFIT

DISCOUNT FOR WINDOW DISPLAY

These prices apply in the United Kingdom only

C. J. HEWLETT & SON LTD.

MANUFACTURING

CHEMIS

35-43, CHARLOTTE ROAD, LONDON, E.C.2

and at GLASGOW

CARNEGIE

Manufacturing Chemists

B. I. F May 8-19

'CARNEBROS BRAND'

STAND No. B-3

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'CARNEBROS BRAND'

OLYMPIA

ALOIN

AMINOPHYLLINE

ATROPINE & SALTS

BARBITURATES

BISMUTH SALTS

BROMISOVALERYLUREA

BRUCINE & SALTS

CAFFEINE & SALTS

CHLORAL HYDRATE

CHRYSAROBIN

CINCHONA FEBRIFUGE

CITRATES

EPHEDRINE & SALTS

ESERINE & SALTS

HYOSCINE HYDROBROMIDE

IODIDES

LITHIUM SALTS

PARA AMINOSALICYLATE SODIUM

PHENAZONE COMPOUNDS

PODOPHYLLIN RESIN EMODI

OUININE & SALTS

SALICYLATES

SANTONIN

STILBOESTROL

STRYCHNINE & SALTS

THEOBROMINE & SALTS

THEOPHYLLINE & SALTS

Etc. . .

CARNEGIE BROS (1949) LTD

WELWYNGARDEN CITY: HERTFORDSHIRE: ENGLAND

FELEGRAMS: 'CARNEBROS' WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 .4 imes

A 'CARNEGIES OF WELWYN' COMPANY



Every user of BRISTOW'S LANOLIN SHAMPOO will want to use BRISTOW'S LANOLIN SOAP. Lanolin, the finest substitute for the skin's own oil, is blended with other pure ingredients to create BRISTOW'S LANOLIN SOAP — pure, emollient . . . the soap to recommend for dry and sensitive skins. A sure-selling line, BRISTOW'S LANOLIN SOAP brings you a generous profit margin. Order today and display it on your counter and in your windows.

TRADE TERMS:

RETAIL SELLING PRICE (Inc. P. TAX)	STANDARD PACK (Dozs.)	STANDARD TERMS Per Doz.	PURCHASE TAX Per Doz. (331%)
Toilet Size (3 oz.) 9d.	2	5/4	I/9 ¹ / ₃

Bristow's LANOLIN SOAP



PROPRIETARIES SUNDRIES DRUGS TABLETS & PILLS FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton was tyne Telephone 2816 (2 lines)

Bright flaming heat-full fire

Just as the power of the oxy-acetylene flame is vital to modern construction, so the power of good printing is essential to modern business. What is more, in good printing, as in welding, so much depends upon the skill and experience of the craftsman. As your ambassador-at-large, wherever it is seen, your printed word must be of the highest standard at all

for more than 70 years we have specialised in printing for the pharmaceutical profession, and if you will consult us when you are next planning labels, cartons, showcards, brochures, catalogues, etc., etc., we shall be delighted to place our skill and experience at your disposal.

THOMAS WAIDE & SONS, LTD. KIRKSTALL HILL. LEEDS, 5

Print Specialists for over 70 years



DOCTORS ARE PRESCRIBING

R. Cardophylin

(BRAND OF THEOPHYLLINE-ETHYLENEDIAMINE)

VASODILATOR · RESPIRATORY STIMULANT · DIURETIC

Cardophylin is the registered name of a brand of Theophylline-Ethylenediamine in the form of tablets, ampoules and suppositories.

Home orders and enquiries, a division of

please, to BRITISH CHEMICALS & BIOLOGICALS LTD Loughborough, Leicestershire

The! atest C. E. Fulford product



When you are ordering the new P.P's be sure that you also have ample supplies of:—

BILE BEANS: ZAM-BUK OINTMENT
ZAM-BUK Medicinal CREAM
ZAMCONES Suppositories
GUY'S TONIC & PILLS: KUTNOW'S SALINE

VEN-YUSA FACE CREAM

Introducing
POPULAR-PRICED
PPS

Ready to take their place amongst YOUR BEST-SELLERS

THESE new Fulford P.P's are having the strong support of National and Local advertising.

Attractively packed, priced 1/- per box, medicated antiseptic P.P's can be sold to your customers free of points.

P.P's provide a pleasant and most effective way of dealing with coughs, colds, 'throats,' and chills. They are warming—and as nice as sweets. Children love them.

PATA C. E. FULFORD LTD., CARLTON HILL, LEEDS 2

950

THE HOUSE OF FIRSTS

First with make-up for the motion picture studios

First to feature cosmetics as "make-up"

First to feature Hollywood screen stars in cosmetic advertising

First with Colour Harmony Make-up

First to classify and originate the name

First to introduce "Personalized" Christmas Gift Sets for Blondes, Brunettes, Brownettes and Redheads

First to introduce a new cosmetic fashion - "Pan-Cake" Brand Make-up

First to introduce a new make-up for Technicolour motion pictures

First to introduce the new shades for each type-Clear Red, Blue Red and Rose Red

First with 3 ronge shades for each type - new pastels in Clear Red, Blue Red and Rose Red

First to originate new exlipstick colour formula

First with the new colour tones - Amber - in "Pan-Cake" Brand make-no and Face Powder. Colour harmonized to natural skin tones.

Max factor HOLLYWOOD

MAX FACTOR HOLLYWOOD & LONDON (SALES) LTD 16 OLD BOND STREET, LONDON, W.I

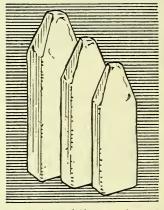


SO MUCH EFFECT - SO LITTLE COST

White Wrapping Paper FOR BOTTLES

The nation's dispensing service is much in the public eye. It is good policy to retain in the service every feature that distinguishes pharmaceutical practice.

The white wrapped and sealed bottle is one of these features. It gives its own distinctive tone to the service. It imparts so much effect, yet costs so little.



For sizes 80z, and 10oz, wrapping costs about ten sheets a penny.

White Demy, best dispensing quality.

Sizes 1oz. 2oz. 3/4oz. 6oz. 8/10oz. 12/16oz. Per 500 sheets (approx.) 1/4 1/8 2/9 3/2 4/- 6/-

Powder Papers ... $4'' \times 4\frac{1}{2}''$ per 500 sheets, 10d.

No. 18 White Demy, $17\frac{1}{2}'' \times 22\frac{1}{2}''$... 14/- per ream. $9\frac{1}{2}$ d. quire. Swedish brown kraft $20'' \times 30''$... 13/6 per ream. 9d. quire.

Swedish striped sulphite 20"×30" ... 16/- per ream. 11d. quire. (green and mauve)

Dispensing Twine (Red, Blue, Green)

40z. balls 25/- per doz. Sealing Wax

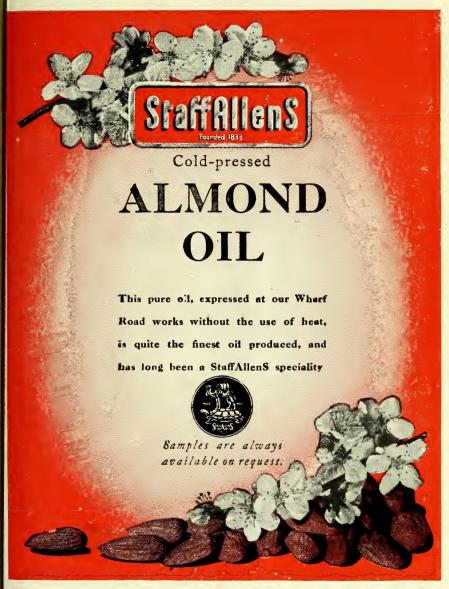
8oz. balls 50/- per doz. 3/9 per lb.

PROMPT ATTENTION GIVEN TO SPECIAL POST ORDERS

All orders Carriage Paid in Free Packages

MACDONALD & SON LTD.

HOPE MILLS, POLLARD STREET, MANCHESTER, 4 Ardwick 1561-2



STAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLErkenwell 1000

TAS/AL.269



MANUFACTURING
CHEMISTS with
OVER A CENTURY
of SPECIALIZED
EXPERIENCE!

SCIENTIFIC .

CAPSULES
SOLVELLÆ
PHARMACEUTICALS
PACKED SPECIALITIES

COMPLETE PRODUCTION
OF "OWN NAME" PRODUCTS

ON PODUCTS PARTIES

ARTHUR H. COX & Co. Ltd.

BRIGHTON, 7, SUSSEX

CALCIUM GLUCONATE
CITRIC ACID
CREAM OF TARTAR
ITACONIC ACID
ROCHELLE SALTS
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LITHIUM BENZOATE
LITHIUM CARBONATE
LITHIUM CHLORIDE
LITHIUM CITRATE
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LITHIUM SALICYLATE
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Kemball, Bishop & Co, Ltd.

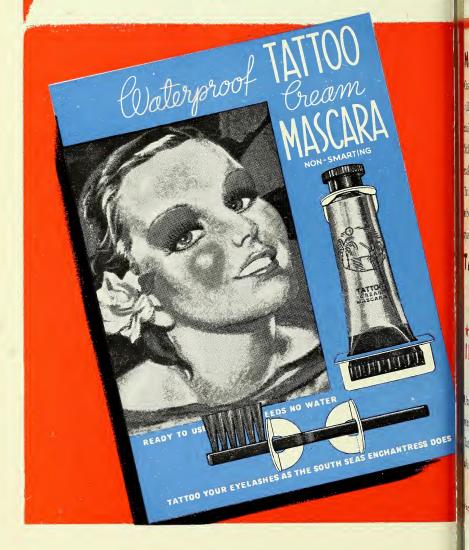
MANUFACTURING CHEMISTS, ESTABLISHED 1870

Crown Chemical Works, Three Mill Lane, Bromley-by-Bow, London, E.3
ENGLAND

Telephone: ADVANCE 1234 (7 lines) Telegrams KEMBALL, LONDON, ENG,
CODES ABC 6th Bentleys Private

HERE IS TATTOO

BACK AGAIN TO REPEAT



REAM MASCARA

RE-WAR SALES SENSATION!

MAKES CAKE MASCARA OBSOLETE!

Cash in on the return of this different beauty product. Tattoo Cream Mascara will repeat pre-war quick-selling success because it gives eye glamour so easily. Tattoo Cream Mascara is unique. No water required. Just squeeze a little Tattoo onto the dry brush provided. Keeps lashes soft and silky and makes them look naturally dark. Waterproof, tearproof, non-smarting Tattoo Cream Mascara takes only a minute to apply. And this generous size tube of Tattoo Cream Mascara gives more product for the money than any mascara on the market!

TATTOO CREAM MASCARA with brush

Sells at I/3d. (including tax)
Supplied in BLACK, BROWN, BLUE

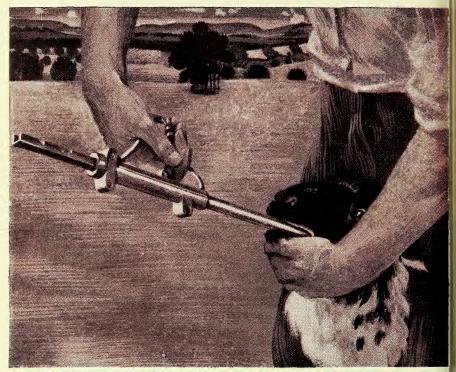
ÎNTRODUCTORY BONUS OFFER

HERE ARE EXTRA PROFITS!

Until April 30th Tattoo will supply 12 tubes for the price of 11 in an assortment of 3 Blue, 3 Brown and 6 Black. Start building up ample stocks now. Tattoo Cream Mascara is a fast-moving line that won't stay long on your shelves.

Sole Distributors :

FASSETT & JOHNSON LTD., 86 CLERKENWELL ROAD, LONDON, E.C.I



'PHENOVIS' brand Phenothiazine Tablets-

are prepared specifically for dosing sheep, and form a very convenient alternative to a drench. With 'Phenovis' Tablets — which are best given by means of the balling gun — no preliminary preparations are necessary, and there is no dange of staining the fleece with solution.

'Phenovis' Multidose Balling Gun for the administration of 'Phenovis' Tablets. Retail price 30|-.

'Phenovis' Tablets of 5 grammes, containers of 50 and 250. Retail prices 6/6 and 29/- respectively.

'Phenovis' Dispersible Powder is avail able for the convenient preparation o a phenothiazine drench.

From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office-London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin Further information and literature, together with 'Phenovis' dosing tables, display cards, etc., also available from I.C.I. Sales Offices.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED

A subsidiary company of Imperial Chemical Industries Limited W

WILMSLOW, MANCHESTER

Ph. s



There is no better toothbrush made —

Nylon or Bristle

— and every sale brings you your full 50% profit on cost

Made by

SPA BRUSHES LTD.

FREEMAN WORKS . CHESHAM . BUCK

n



These sell quickly

Parkinsons' Pills, Kilko
Vitagrains and the wid
range of other preparation
sell quickly and bring repea
sales through their quality

NATIONALLY ADVERTISE!

PARKINSONS OF BURNLEY

CARAWAY OIL

SPEARMINT OIL

U.S.P., B.P.C.

GALE & MOUNT

LTD.

37 ROTHSCHILD ROAD LONDON, W.4

Telephone: CHIswick 6628/9

MARM wourite

Victory Y

GUMS & LOZENGES

FRYER & CO. (Nelson) Ltd., NELSON, LANCS

LYCO Pure Culture Yeast Tablets

The Real Food Adjunct.
MOST EFFICIENT—CONFIRMED IN
THE LANCET

Prices: 1/6 (50), 2/9 (100), 6/6 (250). BONUS display terms, 33½% and

13 to dozen.

Product of:
THE STANDARD YEAST CO. LTD.
Chiswick, London, W.4

(SHARP DOHME)



Send for bonus parcel of 48 tins less 33\frac{1}{3}\% and 5\%

SHARP & DOHME LTD., HODDESDON, HERTS.



BEVAREX

A nourishing and sustaining

MALT FOOD BEVERAGE
of OUTSTANDING merit

Retails at 1/8 per 6 oz. tin Wholesale 13/6 doz.

Showcards available further porticulars from

Telephone: REGent 5563-4

EDME

LTD., IM

IMPERIAL

L

Grams: "EDME," Piccy, London

HOUSE, REGENT

STREET, W.I Works: MISTLEY, ESSEX

A TONIC for everyone

Most people need a Tonic at one time or another. For that reason it is sound policy to keep adequate stocks of Phosferine — The Greatest of all Tonics.

Send a post-card for colourful showcards to enable you to make a display to the best advantage.

Let everyone see you sell



The Registered Trade Mark "Phosferine" is the property of PHOSFERINE (ASHTON & PARSONS) LIMITED.

IN LIQUID OR TABLET FORM

PHOSFERINE

THE GREATEST OF ALL TONICS

Sole Distributing Agents in the United Kingdom:

BEECHAMS PILLS LIMITED, ST. HELENS, LANCS.



- 3º PER CARD OF EIGHT

 Convenient for the Retailer
- NEW MATT FINISH
 Inconspicuous in use
- Made From Special Spring Wire Grip will not fall out
- 6 DIFFERENT SHADES
 To suit every user

OBTAINABLE FROM YOUR WHOLESALER

Made by

TOTAL RIAN

GEORGE GOODMAN LT. CAROLINE STREET - BIRMINGHAM 3



PELLET

O THE DOZEN

and this will be on all assorted orders for a minimum quantity of six cartons (i.e. I gross) and overthe actual bonus on I gross is I doz.

TO THE DOZEN

on all orders for 2 oz, tins of one gross and over, or a bonus of I dozen 2 oz. tins on 18 lbs. in bulk.

of Sheffield

Dispensing Pack Now available



P.A.T.A

When ordering please " Antiphlogistine specify Dispensing Pack" which is supplied only in cartons containing ½ doz. of 10½ oz. size, 16 oz. size, 32 oz. size, or 5 lb. size. Prices per dozen and quantity terms are the same as for the standard pack less Purchase Tax.

THE DENVER CHEMICAL MFG., CO. 12 Carlisle Road . London . N.W.9



CACHETS "FINOT" 17 Sizes to fit various

types of machines COOPER, SON & Co., Ltd., 120 Gloucester Road, LONDON, S.W.7.

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories

LOWER BROUGHTON, MANCHESTER

thank their customers for their patience and for-bearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

TONIC TABLETS

now packed in



2/- sizes 4/3

P.A.T.A.

LTD. MACLENNAN BRAND PRODUCTS 105 RITHERDON ROAD - LONDON Phone: BALham 2447 8.W.17

ational Advertising of RADIAN

the aspirin spirit liniment—has promoted a

teady demand. CHEMISTS are asked to foster

his goodwill by maintaining adequate stocks

Professional samples and literature on request

stributor for Midland Area:— OHN KNOX (Stoke-on-Trent) Ltd.

S. Western Area:-R. GIBBS Ltd., Manor Avenue, Paignton

her areas from Local Wholesalers direct from London

"Kadiol

78. UPPER RICHMOND RD. LONDON S.W.15 Tel: VANdyke 2692 Telegrams: Radiational, Van. London

OPTICAL LENS CLEANERS

CHAMOIS or TEXTILE

Tastefully Printed with your name, etc.

PAYNE GRAHAM LTD., 583 Scotland St., Glasgow, S.I.

IF IT'S GOOD, IT MAY BE PARAMOUNT WORK IF IT IS PARAMOUNT WORK. IT IS GOOD

PARAMOUNT PHOTOGRAPHIC D & P SERVICE 138 CARDIGAN ROAD, LEEDS, 6

THE AIR ?

FOR VOICE, THROAT & CHEST

TEASDALE & CO. LTD., CARLISLE

ele Manufacturers: JEFFREYS,

MILLER & CO. LTD., Leyland Mills, Vigen, (Lendon Dept. 19 Brookside Rd. N.19)

ENOUIRIES INVITED

TABLET MAKERS LTD. DALES STEETON, Nr. KEIGHLEY

Phone: STEETON 3222

An Ideal GIFT LINE!

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to the present time when we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains on which 650,000,000 passengers travel yearly.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.

ATTRACTIVE ADVERTISEMENTS APPEAR REGULARLY in the NATIONAL PRESS



NOW 39/6

"Allure" Perfume
Essence

Much more lasting than ordinary perfume NEW REDUCED PRICE 4/6 RETAIL Inc. Pur.

Brush base takes
out to wash takes
Handleback never
Absolute cleanliness at brush base.



BY APPOINTMENT G. B. KENT & SONS LTD., 24 OLD BOND ST., LONDON, W.I
BRUSHMAKERS Telephone: Regent 1471/2/3. Telegrams: Tricho, Piccy, London

ROTER

Roter Gastric Ulcer Tablets

indicated for:

GASTRIC AND DUODENAL ULCERS

Retail prices: trial size (40) 7/11, standard size (120) 22/6, full treatment size (640) £5.12.6.

Obtainable from the Importers:

F.A.I.R. Laboratories Limited
183 Heath Road, Twickenham

Manufactured by:

Pharmaceutische Fabriek "Roter"
Hilversum, Holland



MATERIAL S

THE ANTIMIST CLOTH

SMOG - an impregnated cloth for cleaning windows or car screens. A wipe keeps surface free from mist 2 to 24 hours. Can be used over and over again. Stows away in car pocket or kitchen drawer. Wonderful for steamy kitchen windows.

A STRONG SELLER

Sole Distributors to the Pharmaceutical Trade.



Offered retailers at 20/- per doz. to retail at 2/6 a cloth. (Free of Purchase Tax)

LANE, LONDON, E.I. Grams: Horehound, 'Phone, London. ARTILLERY Phone: BISHOPSGATE 4761.

77 DANTZIC STREET, MANCHESTER 4 Phone: BLACKFRIARS 8734. Grams: Horehound, Manchester.

62 ORBISTON STREET, MOTHERWELL Phone: MOTHERWELL 1413 Grams: Horehout

Grams: Horehound, Motherwell.

P.C.T.5.B.

A Nationally approved selling line returns!



AGRIPPA SPIRAL GREEN BAND TEATS & VALVES

PAT Nº 498456

Ingram's, famous for over a hundred years for their Surgical Rubber Manufactures, take pleasure in announcing the return of one of their Agrippa Teat series, the Spiral Green Band Teats and Valves. Nationally approved by nursing and clinical authorities and a best seller before the war, they are meticulously made from pure transparent rubber in four shapes, all of which are designed to ensure an even, natural flow. The special spiral band holds teats firmly on bottles and will not accidentally pull off. Each teat packed separately in a carton. Now being supported by press advertising which will be increasingly developed.

THIS TRADE MARK
GUARANTEES THE QUALITY

Ingram's LONDON

J. G. INGRAM & SON LTD., LONDON, E.S

Another cough GOES UP IN SMOKE!

by Surama Medicated Cigarettes whose soothing vapours get right at the source of respiratory complaints. Surama Cigarettes contain healing herbs and benign drugs. Order small lots from your wholesale house or minimum three dozen bonus display parcel, with show material direct from the manufacturers.

Burama

Cigarettes

TWENTY FOR 1/9 TEN FOR 11^D

The Oatine Company (Opera Omnia Ltd. Proprietors) 44 Kennington Lane, London, S.E.11
CVS-37



FOREMOST in DIABETES

The name "diabetes" was first used in medicine by Aretæus of Cappadocia, nearly two thousand years ago. The brand name 'Wellcome', applied to insulins, is today accepted as a hallmark of excellence by all who dispense or prescribe for the disease. Whichever type of insulin you are asked to supply, a 'Wellcome' brand preparation is available.

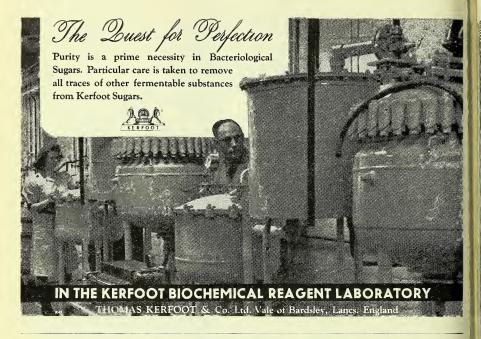
Insulin (UNMODIFIED OR SOLUBLE)

WELLCOME' Globin Insulin (WITH ZINC)

Protamine Fine Insulin



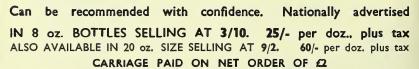
BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



YOU SHOULD STOCK
THE FINEST SCURF REMOVING & SCALP
CLEANSING SHAMPOO

NUCTA OIL

THE SOAPLESS OIL SHAMPOO



STEWART, GOODALL & DUNLOP LTD
121A PRINCES STREET. EDINBURGH

DEOXYCORTONE ACETATE & ASCORBIC ACID

in rheumatoid arthritis

LEWIN AND WASSÉN (Lancet, 26th Nov., 1949) and others report promising results following the use of these substances. Other workers have reported less encouraging results but these have been ascribed to differences in technique and dosage. Although long-term effects have still to be assessed pharmacists who wish to anticipate enquiries will find both substances in the B.D.H. range.

DEOXYCORTONE ACETATE B.D.H.

(Injection of Deoxycortone Acetate B.P.)

(injection of Beorgeoftone Rectate Bit!)				
Ampoules containing 5 mg. per ml.	Trade	Retail		
Box of 3 x 1 ml.	9/6	14/3		
,, 12 x 1 ml.	34/6	51/9		
,, 50 x 1 ml.	132/-	198/-		
Ampoules containing 10 mg. per ml.				
Box of 3 x 1 ml.	17/-	25/6		
,, 12 x 1 ml.	61/-	91/6		
,, 50 x 1 ml.	236/-	354/-		
Vials of 10 ml. containing 10 mg.				
in each ml.	45/-	67/6		

VITAMIN C B.D.H. (Ascorbic Acid)

New strength for massive dosage used in this treatment. Ampoules each containing the equivalent of 1 gramme Box of 3 x 10 ml. 5/8 8/6

THE BRITISH DRUG HOUSES LTD. LONDON N.I

DeoxVC/T/1

BARBITURATES

ALLOBARBITONE, BARBITONE, SODIUM BARBITONE, BUTO-BARBITONE, CYCLOBARBITONE, PHEMITONE, HEXOBAR-BITONE, PHENOBARBITONE

YQUINOLINE

POTASSIUM OXYQUINOLINE SULPHATE, CHINIOFONUM, DI-IODO HYDROXYQUINOLINE, (Powder and tablets)

SPIRIN

ASPIRIN TABLETS. CALCIUM ASPIRIN

Enquiries invited for prompt or contract deliveries by:

PIERSON, MORRELL & CO. LTD. THE ORIGINAL BRITISH ASPIRIN MAKERS BARNET, Herts.

Telegrams: Pierson Morrell Barnet

Telephone: BARnet 0723

TANNIC ACID

(Bulk Supplies Only)

DERIVATIVES

DYEWOOD COMPANY LIMITED St. VINCENT PLACE, GLASGOW, C.I

GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL) AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

* Egg:)

"STEROXIN"

TRADE MARK BRAND
OINTMENT



Containing 3% 5,7 dichloro-8-hydroxyquinaldine in a non-greasy base.

For the effective treatment of skin conditions of bacterial and mycotic origin. A protective dressing for wounds, ulcers and broken chilblains.

Tubes of 1 ounce: Retail price 3s. 8d. including Purchase Tax—24s. 0d. per dozen plus Purchase Tax.

Tubes of 4 ounces: Retail price 11s. 0d. including Purchase Tax—72s. 0d. per dozen plus Purchase Tax.

and in 1 lb. jars for dispensing purposes. Literature on request.

Messrs. Walter Crowe Limited, Marketing Distributors, are our Selling Agents to the Trade, and orders may be placed with their Representatives at the time of their regular and frequent calls.

Orders sent by post should be addressed to:-



PHARMACEUTICAL LABORATORIES GEIGY LTD NATIONAL BUILDINGS, PARSONAGE, MANCHESTER 3

Glass Tubes by the MILLION

TABLET

SAMPLE

TEST

SUTURE

POWDER

CRYSTAL

LOZENGE

Tubes

Droppers

POINTED ROUNDED CURVED

BALL POINT BUTTON

POINT PENICILLIN

NASAL

SPECIAL AMPOULES

Manufacturers:

F. COPLEY & CO. BEESTON, NOTTS.



including:

HYDROGEN PEROXIDE

Benzoyl Peroxide, Calcium Peroxide Magnesium Peroxide, Sodium Perborate, Sodium Percarbonate, Titanium Dioxide, Urea Hydrogen Peroxide, Zinc Peroxide

LAPORTE

LAPORTE CHEMICALS LTD., LUTON.

JKL

ANIS OIL AGAR AGAR ALOES CAPE and CURACAO **BELLADONNA LEAVES and ROOT** BERGAMOT OIL CAMPHOR, JAPANESE CHILLIES CINCHONA BARK DIGITALIS LANATA LIQUORICE ROOT and JUICE MENTHOL CRYSTALS **ORANGEPEEL** PEPPERMINT OIL SAGE LEAVES STROPHANTHUS SEED TONQUIN BEANS

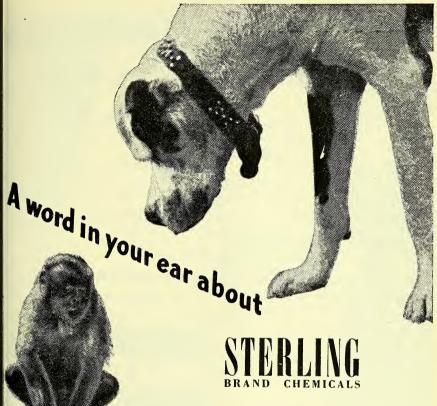
and all other crude Drugs, Essential Oils and Spices.

JOHN KELLYS (LONDON) LTD. 24 OLD BROAD STREET, LONDON, E.C.2

Telephone: LONdon Wall 4882, 6585, 6586
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March 11, 1950



As a wise old monkey you'll know that it's "purity" and "quality" that count in chemicals. Every Sterling

Chemical is PURITY TESTED for standard reliability — that is why it is safe to specify Sterling

Brand Chemicals which have been giving satisfaction for more than a hundred years. Thomas Tyrer & Co. Ltd., are always pleased to investigate the manufacture of unusual chemicals to suit the needs of any particular industry.

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STRATFORD, LONDON, E.15

DOWN WITH FREEDOM!

FOR CORKS

YES, we mean it. We treat corks as mere bottle-fodder—brutally stamp out every vestige of individuality, in quality or dimensions. We are notorious for reducing corks to a

state of unbelievable uniformity.



Boiled alive. . . .

The Nazi press-gangs had nothing on us. We ruthlessly rip the bark from Spanish cork-oaks, boil, scrape, and press it, then shut it in the "hot-box." When it's thoroughly cowed, we

punch thousands of corks out of it. These are then subjected to a series of fiendish tortures—tapering, bevelling, sanding, notching, sterilizing—even branding! If after all this there is still I/63rd of an inch of individuality about a cork—off it goes to be ground up into byproducts. Sometimes only 5 per cent of a whole batch survive to become corks of our Grade A quality.

If you feel as callous as we do about corks, and want them to be absolutely alike in quality and size—just let us know, by letter or telephone. Armstrong Cork Co. Ltd. (Closure Division), Kingsbury, London, Nw9 Tel: Colindale 7080. Scottish Branch: 5 Oswald Street, Glasgow, C.1. Tel: Central 5703.

FREE ON REQUEST. The handy Armstrong string of Standard Cork sizes shows at once what size you want—whether for dispensing or for ordering supplies. May we send you one?



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CORKS · CROWN CORKS · MOULDED CAPS

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PROMPT DELIVERY
GOOD PACKING
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AGAR • ALOES • BALSAMS
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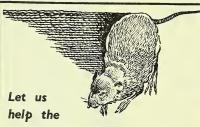
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MXS



Government drive against RATS!

Make a special feature of displays of

RODINE

The Rapid Rat Remover!

It always pays to sell Rodine P.A.T.A.

T. HARLEY LTD., PERTH, SCOTLAND

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AND SERVICE

SPECIALISTS IN THE MANUFACTURE OF

Aspirin Salicylates and Allied Products

Although Aspirin and Salol are readily available, certain Salicylates are still in short supply but we will do our best to meet your requirements.

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FOR HOME & EXPORT

PARA AMINO SALICYLIC ACID SALT. In bulk and tablet form AND SODIUM POTASSIUM GUAIACOL SULPHONATE

(Thiocol)

SUCCINYL SULPHATHIAZOL POWDER AND TABLETS **BISMUTH SALTS RROMIDES** ARRHENAL

M.W. HARDY & CO. LTD BILLITER STREET, LONDON, E.C.3

TELEPHONE: ROYAL 8343 (10 LINES)

TELEGRAMS: HARDICHEM

WELL KNOWN FIRM OF TOILET ROLL AND INTER-LEAVED PACKET MANU-FACTURERS (Factory LONDON) WITH MODERN PLANT WILL ACCEPT ORDERS, FROM ESTAB-LISHED FIRMS, AT VERY KEEN PRICES FOR 6 oz., 7 oz. and 8 oz. MEDICATED TOILET ROLLS. TOILET ROLLS CAN BE BANDED WITH HIGHLY GLAZED BANDS—2/3 COLOURS TO **CUSTOMERS** OWN DE-WORDING SIGN. ANY **DESIRED CAN BE PRINTED** ON EACH SHEET.

Box No. C. 5446

May we quote you for-**GLAUBER SALTS** Pea Crystal and Feathery EPSOM SALTS Needle Crystals, Medium, Exsiccated All grades conform to the 1932 B.P. Standard Special Crystals matched and any degree of exsiccation to order.

Packed for Home and Export. HARRIS, HART & Co. Ltd. GREGGE STREET WORKS HEYWOOD, LANCS. Telegrams: Telephone: Harb, Haywood, Lancs. Heywood 6570



and it sells on sight

This [quality dog food contains concentrated meat, liver and fish. It is packed in handy airtight tins, attractively labelled in red and black, and specially designed for easy stacking and display.

"Bright attractive showcards and window bills are now available.

Order your supplies of Wiles Vitamin dog food through your usual? Wholesaler.

Made exclusively WILES woodMANSE E, YORKS

The finest dog food in the world





MADE BY VERNON & CO., PRESTON, LANCS

JEYPINE

means business!

NEW PINE DISINFECTANT BACKED JEYES' GOODWILL IS SELLING FAST-BECAUSE IT KILLS GERMS FASTER!

TERE are 4 outstanding facts that can mean worthwhile extra turnover, extra profit for you. I. Jeypine is a Jeyes' oduct—backed by Jeyes' goodwill. 2. It kills more germs 1 kills them faster. 3. It is nationally advertised. 4. At for a big 6-oz, bottle it is first-class value for money. this adds up to a real selling opportunity for you in a bidly expanding market.

ERE'S STEADY NEW BUSINESS FOR YOU re is a repeat seller that brings you steady new busiss. Put Jeypine on display; recommend Jeypine for in all cleaning water; help your customers to have sher, healthier homes. Jeypine is non-poisonous, yet least 5 times more powerful than carbolic acid—that why it kills more germs and kills them faster. The fact it Jeypine is a Jeyes' product means a good deal to ur customers!

HOW WE HELP YOU TO SELL JEYPINE

POWERFUL NATIONAL ADVERTISING—planned to build up use of Jeypine as a daily health habit.

COLOURFUL DISPLAY MATERIAL-to help you turn this advertising into regular extra cash in your till.

PLUS—the solid sales-making reputation of the House of Jeyes for making fine disinfectants.

Jeypine means business - get your share now!

Include Jeypine in your composite orders for best terms.

PROTECTIVE

BIG 6 OZ. BOTTLE RETAILS AT I/-(TRADE PRICE 9/- DOZ.)

YES' SANITARY COMPOUNDS CO. MILLBROOK, CHIGWELL, ESSEX



Buying Sunglasses?

DEVALUATION-means-REVALUATION

... Customers value your discretion so ...

before stocking up, please ask your wholesaler to show you our 1950 range — new models, keen prices. Over 15 styles from which to choose, retailing from 9d. with our popular L.2 model "Sunrex" with glass lens at 1/9. individually boxed!!

Buy BRITISH this Season



LAST SEASONS' SUNGLASS SENSATION SOLLAND VALUE = SALES! SALES = PROFILES.



EASTER NEWS! BETTER SALES! **BIGGER PROFITS!**

PANDA now Introduce

AN ENTIRELY NEW FILM

■ THE PANDA "POPULAR" ROLL FILM

Ideal for Sunny Days with ordinary Box Cameras

Together with the Established Favourite

THE PANDA "SPEED" ROLL FILM

BRILLIANT SNAPS ALL THE YEAR ROUND



(THE NEW "POPULAR" ROLL FILM is only obtainable DIRECT and NOT from WHOLESALERS)

SPECIAL INTRO PACK

Doz. 20 4

1 Doz. 62 Doz. 27

RETAILS £10 10 6

SEND CHEOUE FOR £8 10 6

YOUR IMMEDIATE PROFIT £2 0 0

Immediate Delivery

BOTH TYPES OF FILMS IN ALL PACKS AND ADVERTISING MATTER

NOTE!NEW ADDRESS Mark.

PANDA FILMS CO.

75 AVONDALE ROAD, BROMLEY, KENT. TEL: RAY 6528

PICTURE

The issue of PICTURE POST dated 18th March will be the biggest for ten years. Up in pages, features, circulation and readership, it will be of special interest to everyone concerned with the marketing of goods and services. Copies will be sent to 10,000 leading trade buyers at home, and to another 10,000 overseas: they will also be on sale at the time of the Daily Mail Ideal Home Exhibition.

Over 100 national advertisers have booked space for 18th March.

PHARMACEUTICALS

Alka Seltzer, Allenbury, Argotone, Aspro, Astral, Bandbox, Beechams, Beltona, Bengers Malted Milk, Brylfoam, Carters, Dettol, Drene, Dolcin, Elastoplast, Germolene, Goya, Haliborange, Horlicks, Hudnut, Kolynos, Lucozade, Macleans, Ovaltine, Owbridge, Pepsodent, Phillips Tonic Yeast, Potter & Clark, Prestoband, Sanatogen, Silvikrin, Simpkin, Tokalon, Tryst, Valderma, Whitecroft Pins, Yeast-vite, Zambuk.

CLOTHING: Aertex. British Nylon Spinners, Essex Hosiery, Swallow, Wakefield Shirt. CONFECTIONERY & TOBACCO: Cadbury, Capstan, Chocolat Menier, de Reske, du Maurier, Quafity Street. FASHION: Cherry, Mornessa. FOOTWEAR: Barratts, Cherry Blossom, Meltonian, Norvic, Portland. FURNISHINGS: Antler Cases, Clayton Mayers, Peter Shepherd. GROCERIES: Chivers, Creamola, Cromessol, Flag Sauce, Harpic, Ino Flakes, Jacobs, Jaffajuce, Lifeguard, Lux, Nestlés, Peek Frean, Persil, Vim, Weetabix. IRONMONGERY: Alabastine, Dura-Glit, Ekcomatic, Everhot Ware, Kleenoff, Rodine, Sherwood's Paint, Walpamur. CYCLES, ETC: Aberdale, Berkeley Coachwork, Philips, Raleigh Cycles, Richards Prams. WINES, SPIRITS & BEERS: Burgoyne, Courvoisier, Daws, Emu, Flowers, Martell, Myers, Sandeman, Sherry Shippers, Wincarnis, Worthington.

And those who wish to bring their national advertising into the shop windows can follow through with the PICTURE POST Merchandising Service. Consumers and retailers both know they can rely on the products advertised in PICTURE POST. And advertisers know that — in circulation, readership, impact, confidence, service —

PICTURE POST is the most powerful sales force in the country.

F. A. Gray, Advertisement Manager; Hulton Press Ltd, 43/44, Shoe Lane, London, E.C.4.

Central 7400

BRITAIN'S BEST SELLER

It's new!

It's an entirely different kind of make-up! It's foundation and powder in one!



A perfect, complete make-up : goes on without water

ery woman who uses cosmetics is going be vitally interested in this new and tirely different kind of make-up.

This new make-up, "Angel Face," is far advance of any cosmetic on the market lay. It is made by Pond's, a name that ur customers know well and trust.

"Angel Face" comes in an attractive gold d blue container, handy to carry in a cket or handbag. It has its own little puff side. The price is 3/6, including tax.

Full-page, full-colour advertisements in g circulation magazines will spread the ws of "Angel Face" among millions of aders. Women will instantly long to try is new product. They will be coming to u to buy "Angel Face."

Terms on application



POINTS YOUR CUSTOMERS WILL WANT TO KNOW

"Angel Face":

- -is foundation and powder in one
- goes on without water-is not drying to the skin
- gives a glamorous finish—not a mask-like
- -stays.on longer than powder
- -does not spill-can be carried anywhere
- -comes in 5 angelic shades

Pond's EXTRACT COMPANY LIMITED

NOW! STARRING IN AN

4PORT

that's different . .

THENEW

MEDICATED, FULLY WRAPPED & SEALED

VELVEX ROLL

Representing all that we have striven to achieve in our manufacturing processes — the scrupulous cleanliness that this product demands -VELVEX, in the new red wrapper, is a quality toilet paper at a popular price. Completely wrapped, it is fully protected against the hazards of contamination in transit and storage.

THERE'S A FAMILY 'LIKENESS'

The famous VELVEX Interleaved Tissues set the quality standard for their new companion toilet roll, and the goodwill of this established line will launch the fully wrapped VELVEX ROLL towards equal heights of popular de-mand. ORDER NOW from your usual wholesaler FOR IMMEDIATE DELIVERY.



NOTE: As from March 1st VELVEX blue Roll was discontinued. Fully wrapped red label VELVEX are the same price, same quality-with a new and unlimited sales potential.

BRITAIN'S' FIRST FULLY

WRAPPED & SEALED ROLL

NATIONALLY ADVERTISED

TO 6 MILLION WOMEN

COLOURFUL DEALER

DISPLAYS AVAILABLE

FULL CO. OPERATION

INVITED & GIVEN

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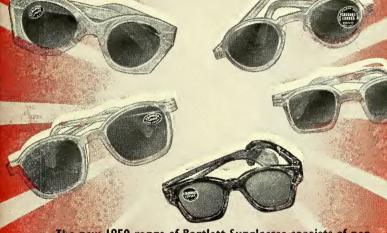
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Popular & Fast Selling

NGLASSES 75 styles for 1950

Retailing from 8 to 2gns.



The new 1950 range of Bartlett Sunglasses consists of popular and fast selling modern styles that are priced right to bring you quick and profitable results — truly it is the most complete assortment yet offered to the tradel Send for illustrated leaflet.

Before buying your Sunglasses for 1950 be sure to consider carefully this outstanding Bartlett range. Order from your wholesaler.

Wholesale enquiries to

ALFRED FRANKS & BARTLETT CO., LTD.
AUDREY HOUSE, ELY PLACE, LONDON, E.C.I.







Tel.: GERRARD 8611 (18 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON

O YOU KNOW the advantages

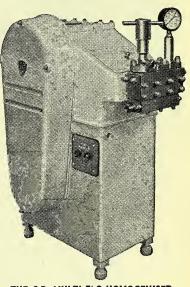
of the Multi-flo Homogeniser in the manufacture of

FACE CREAMS · DYE STUFFS · OIL & WAX **EMULSIONS · INSECTICIDES · DRUGS, ETC.**

The highest standard of consistency and the uniform dispersion of every molecule of solid throughout the aqueous solution is demanded in the manufacture of such products as those listed above. This demand can be satisfactorily met by the application of homogenisation to the process.

The C.P. MULTI-FLO HOMOGENISER will therefore prove an invaluable addition to your existing team of processing equipment. Adaptable to any installation, this machine produces a super-homogenised product of fine body and texture.

Outstanding feature of the C.P. HOMO-GENISER is the unique stainless steel Single Service Valve, developed by our Engineers after years of research and study on the problems of homogenisation.



THE C.P. MULTI-FLO HOMOGENISER Capacities 100-1,000 gals. per hour



Unhomogenised product.



Tests have resulted in a much more efficient utilization of the pressure of the fluid, giving a remarkably uniform break-up and dispersion. These results are evidenced by the accompanying illustrations.

More than sixty years' experience in this field has enabled our engineers to develop plant which achieves the highest standards in performance and hygiene. It is this experience which we offer to you in the planning and installation of your plant to suit your specific and individual requirements.

HE CREAMERY PACKAGE MEG. COMPANY LTD.



Avery House, Clerkenwell Green, London, E.C.1. Telephone: CLErkenwell 4997

A sure 'seller'

when displayed near your baby scales or with baby requisites



THE BABY

DISPOSABLE NAPKIN. absorbent cellulose with pink unabsorbent backing. Pkts. of 24 = 18/- per doz. Retail 2/- per packet.
Packets of 12—11/3 per doz.

Retail 1/3 per packet.

TIE UP SALES WITH: The NAPSOL Baby hygienic Panty



M. MERICA & Co. Ltd. - SHAW ROAD **OUEENS MILL**

Five Colour

Display Box

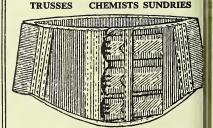
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All types Appliances N.H.S. Special terms to wholesaler

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MIRROR METALLIC PAPERS

for Window Dressing, etc., Silver, Gold, Red, Gr Blue, Cerise: 8/6 per roll. 20in.×12 yd. Send Samples also of other Window Dressing Papers, C Paper and Coloured Tissues, etc.

"CELLOPHANE" BAGS

STOCK SIZES. ALL PER 13 x 23 .. 12/6 23 x 23 .. 16/-22 x 4 .. 18/x 6½ .. 30/-x 8 .. 35/-x 4 .. 23/6 x 6 .. 30/- $\frac{3\frac{1}{2}}{3\frac{1}{2}} \times \frac{6}{8}$ 5 x 61 22/6 x 7 .. 35/-5½ x 10 "CELLOPHANE" SHEETS FOR 20 x 30. 50/- 500. Rolls. 5yds. x 20". 18/- dog. ROLLS & SHEETS IN VARIOUS SIZES CLEAR & COLOUR

ALLAN'S 37 FARRINGDON STREET, LONDON E PHONE: CENTRAL 5947 - GRAMS: SUNFLECTA CENTLON (UNDER HOLBORN VIADUCT) Business Hours: 9 am. to 6 pm. Closed Salw

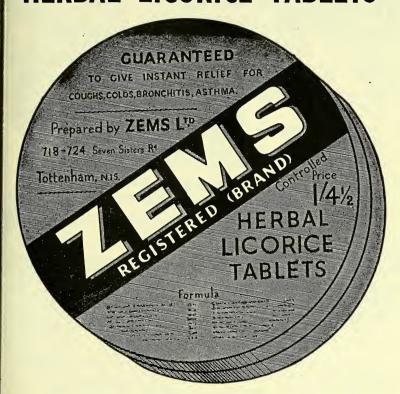
THE MOULDINGS & SHAPES CO

We are actual manufacturers of the following:-WOODEN TONGUE DEPRESSORS Tapered End and Standard Shape **OINTMENT APPLICATORS** For application of Ointments to Dressings, etc., CUTICLE STICKS: 3" to 6" Shaped Ends THROAT APPLICATORS
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CHERRY STICKS The above can also be manufactured to customers own specifications. Samples sent on request.

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HERBAL LICORICE TABLETS



THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

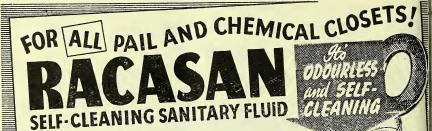
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from C.F. Wholesale Houses

ZEMS LTD

718-724 Seven Sisters Road, London, N.15



Racasan is a concentrated sanitary fluid, specially formulated for use in all types of pail and chemical closets, commodes, bed pans, etc.

Racasan is packed in four handy sizes, and is in great demand. Buy now to increase your summer turn-over.

* General Discounts * Attractive Packs

* Well Advertised

* No Poison Licence Required

Ask your usual Factor or Wholesaler for full details. In case of difficulty write:—

DEODOR-X COMPANY of ENGLAND LTD

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Infringement of these boundaries in Tennis and Football penalises the player.

How different in Business. Here the Side-Line occupies a different place in the scheme of things. It expands, not confines, it can be an asset by attracting new and regular customers, can add to the amenities of your business and-most important of all-can show a handsome profit.

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Alka-Seltzer



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Guarantee to the trade

Alka-Seltzer is sold with a guarantee of satisfaction to every purchaser. You are authorised to refund without question the full retail price to any dissatisfied customer returning the used or partly used bottle. Send us the bottle and we will credit your account with the FULL RETAIL PRICE plus postage — you don't lose your profit on the sale. This offer applies only to the first purchase made by any of your customers.

For colds, headaches, indigestion and, muscular soreness you can *confidently* recommend Alka-Seltzer. Its double-action quickly soothes aches and pains, then neutralises excess gastric acid, so often the cause of the trouble.

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1826

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SOLUBLE TOWELS

SOFT GAUZE COVERING
WITH LOOPS

HYGIENIC
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BEAUTIFULLY SOFT
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PERFUMERY BOTTLE WICKERERS in RAFFIA
or SILK, plain or fancy, wide range of designs.
Own bottles wickered at moderate cost

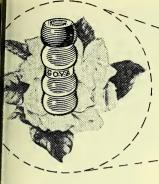
Black Bull Works, Market Road London, N.7

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London Office: D. S. Cooper, 2-3 Norfolk St.
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a 2/6 handbag phial of Goya Perfume. Goya
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reat Expectations, Decision and Vibration.

OYA·161 NEW BOND STREET · LONDON · W.1

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TO DOUBLE

'Dentures are in the news my Steradent sales prove it'

Goodness knows what the official figures are, but there must be many thousands of people wearing dentures today who weren't wearing them a year ago. And thousands more who have changed over from the old kind of dentures to the new plastic ones. How do I know? My weekly sales of Steradent prove it—they're going up nicely, thank you. Not surprising when you come to think of it—these new dentures are just like ordinary teeth to look at, so there's much more encouragement to keep them clean.?



You can confidently recommend Steradent for the safe cleaning and sterilising of artificial dentures. Your recommendation will be backed by years of testing and research on various proprietary acrylic denture materials, and by the assurance of the I.C.I., makers of 'Kallodent,' that Steradent is equally satisfactory for this brand of acrylic denture material when used as directed.

Be sure you have a Steradent display stand at your point of sale—it's the perfect, silent salesman.



Steradent

cleans and sterilises artificial dentures

AN ALL COTTON WOOL PRODUCT OF REPUTE

Censoluse (Registered) Patent No. 410702

SUPERFINE QUALITY ALL WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK
WHOLESALE ONLY

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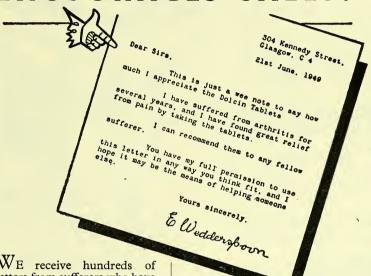
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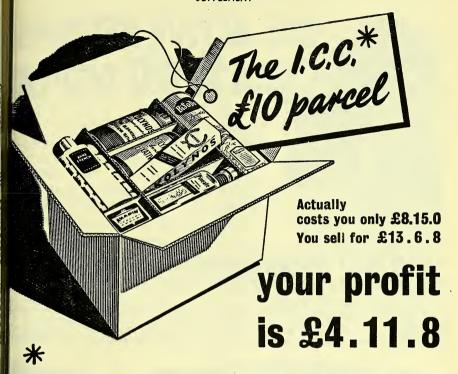
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